MBL/WHOI
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DEUTSCHE SÜDPOLAR-EXPEDITION

1901—1903

IM AUFTRAGE DES REICHSAMTES DES INNERN

HERAUSGEGEBEN VON

ERICH VON DRYGALSKI

LEITER DER EXPEDITION

I. ATLAS

METEOROLOGIE

HEFT I

W. MEINARDUS UND L. MECKING: MITTLERE ISOBARENKARTEN DER HÖHEREN SÜDLICHEN BREITEN VON OKTOBER 1901 BIS MÄRZ 1904 (17 TAFELN MIT 51 KARTEN).

BERLIN

DRUCK UND VERLAG VON GEORG REIMER

1911.

(AUSGEGEBEN IM JULI 1911.)

DEUTSCHE SÜDPOLAR-EXPEDITION 1901—1903

METEOROLOGISCHER ATLAS

MITTLERE ISOBARENKARTEN

UND

TÄGLICHE SYNOPTISCHE WETTERKARTEN

DER HÖHEREN SÜDLICHEN BREITEN VON OKTOBER 1901 BIS MÄRZ 1904

VON

WILHELM MEINARDUS

UND

LUDWIG MECKING.

BERLIN

DRUCK UND VERLAG VON GEORG REIMER

1911

MARINE BIOLOGI WOOD LIBR MA

Der „Meteorologische Atlas“ enthält die mittleren Isobarenkarten und die täglichen synoptischen Wetterkarten, die auf Grund des Beobachtungsmaterials der internationalen meteorologischen Kooperation, die sich an die Deutsche Südpolar-Expedition schloß, für den Zeitraum vom 1. Oktober 1901 bis 31. März 1904 von uns entworfen worden sind. Er umfaßt 322 Tafeln mit im ganzen 966 Karten. Ausführliche Angaben über die Sammlung und Bearbeitung des Materials sowie über die Herstellung und den Inhalt der Karten haben wir im III. Bande des Südpolarwerks (Meteorologie I. Band, 2. Hälfte) niedergelegt. Daselbst sind auch die aus diesem Kartenwerk hervorgegangenen Untersuchungen veröffentlicht worden.

Münster i. W. und Göttingen,
im Juli 1911.

W. Meinardus und L. Mecking.

28845

Tafel 1. Nr. 1—3.

Übersichtskarte.

Oktober, November 1901.

MARINE BIOLOGICA
WOODS
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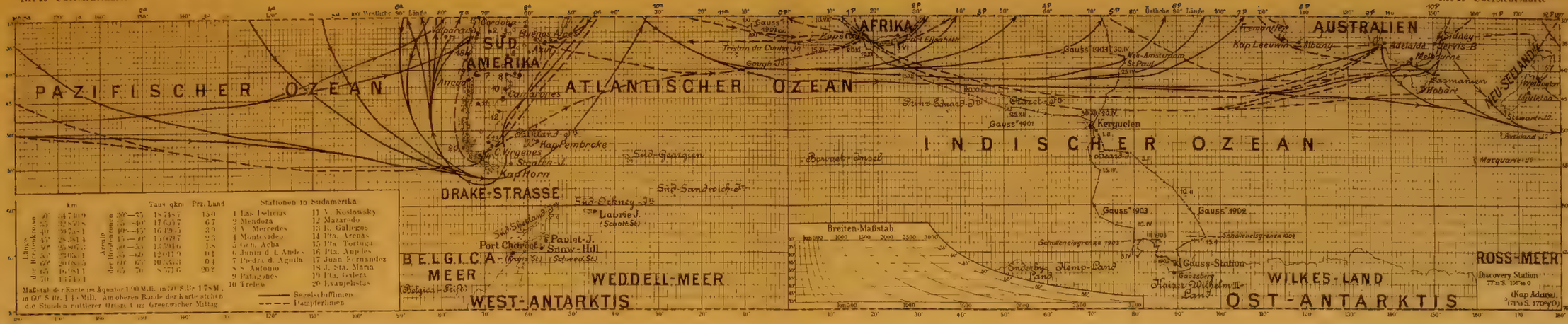
Nr. 1. Übersichtskarte



Länge der Breitenkreise	km	Areale der Breitenzonen	Tsds qkm	Prz. Land
0°	34 709	30°—35°	18 748	15·0
25	32 878	35 —40	17 655	6·7
40	29 758	40 —45	16 129	3·9
45	28 581	45 —50	15 067	2·2
50	27 405	50 —55	13 994	1·8
55	26 053	55 —60	12 611	0·1
60	24 085	60 —65	10 582	0·4
65	16 881	65 —70	8 716	20·2
70	14 744			

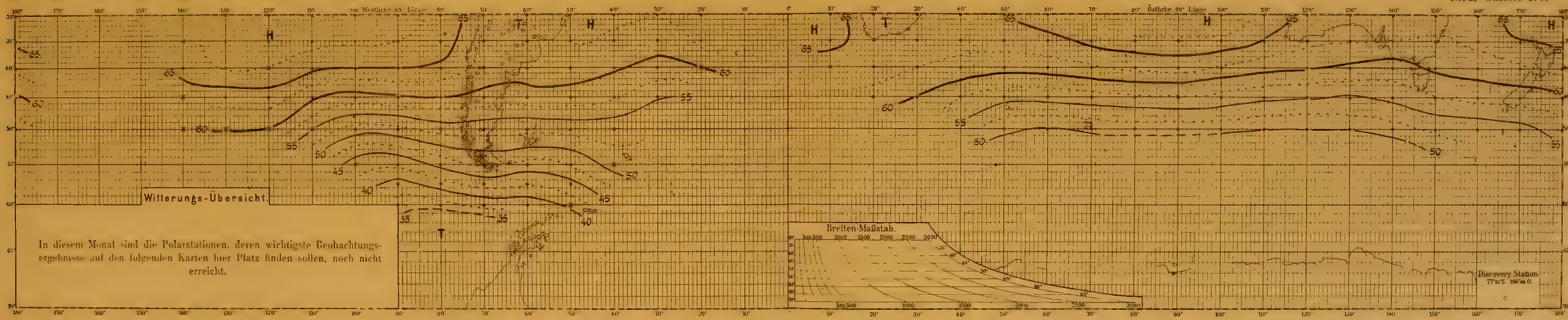
Maßstab der Karte im Äquator 1:90 Mill., in 70° S.Br. 1:18 M.
in 60° S.Br. 1:14 Mill. Am oberen Rande der Karte stehen die Stunden mittlerer Ortszeit um Greenwicher Mittag

Stationen in Südamerika

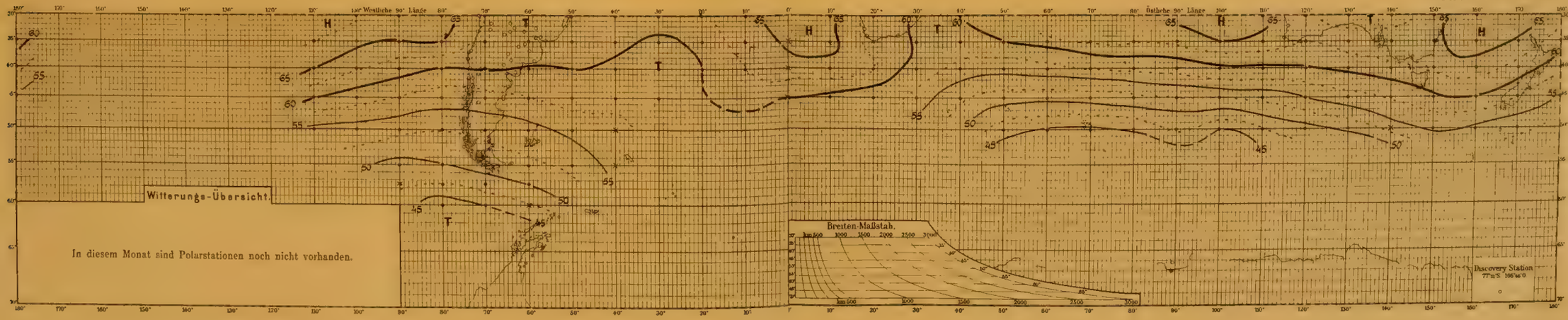
1	Las Heras	11	A. Kostowsky
2	Mendoza	12	Mazarredo
3	A. Mercedes	13	R. Gallegos
4	Montevideo	14	Pta. Arenas
5	Gen. Acha	15	Pta. Tortuga
6	Junin d. l. Andes	16	Pta. Angeles
7	Piedra d. Aguila	17	Juan Fernandez
8	S. Antonio	18	I. Sta. Maria
9	Patagones	19	Pta. Galera
10	Trelew	20	Evangelistas

Segelschiffrouten
Dampferlinien

Nr. 2. Oktober 1901



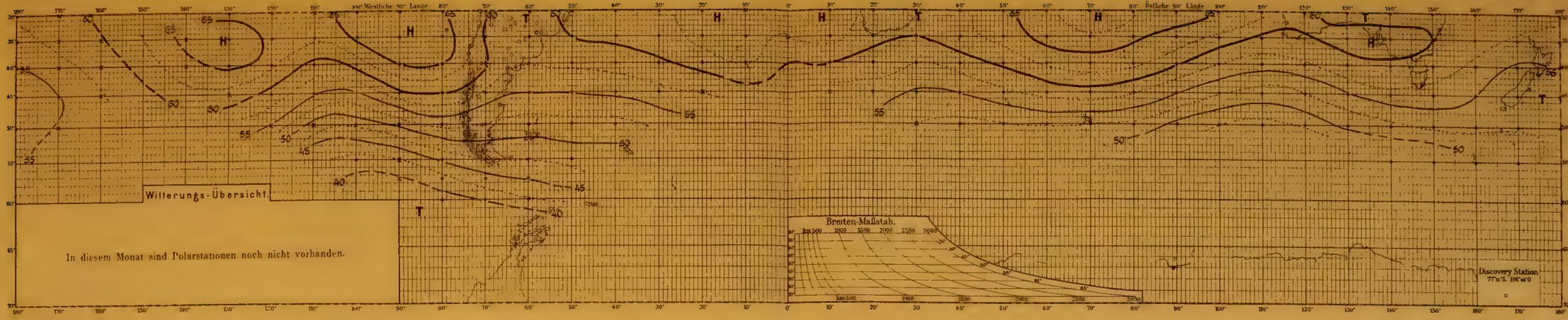
Nr. 3. November 1901



Tafel 2. *Nr. 4—6.*

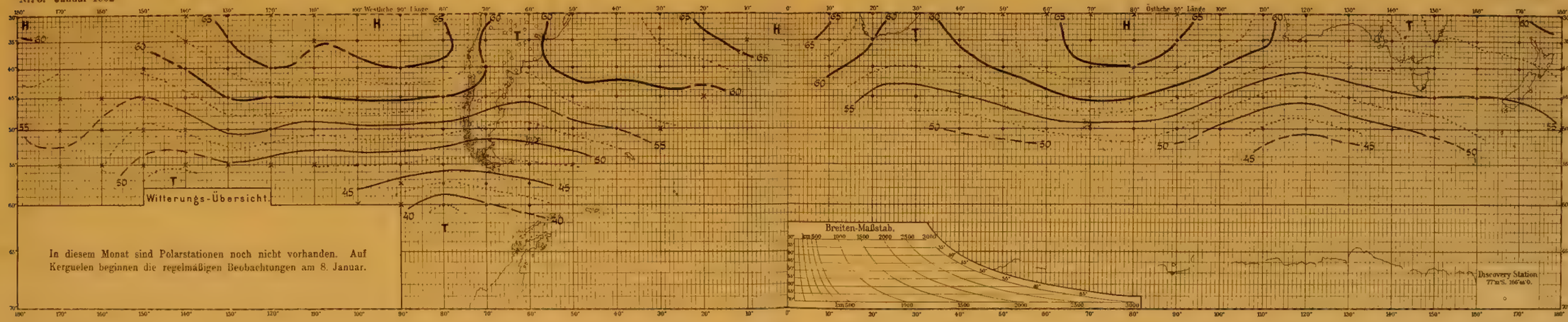
Dezember 1901—Februar 1902.

Nr. 4. Dezember 1901



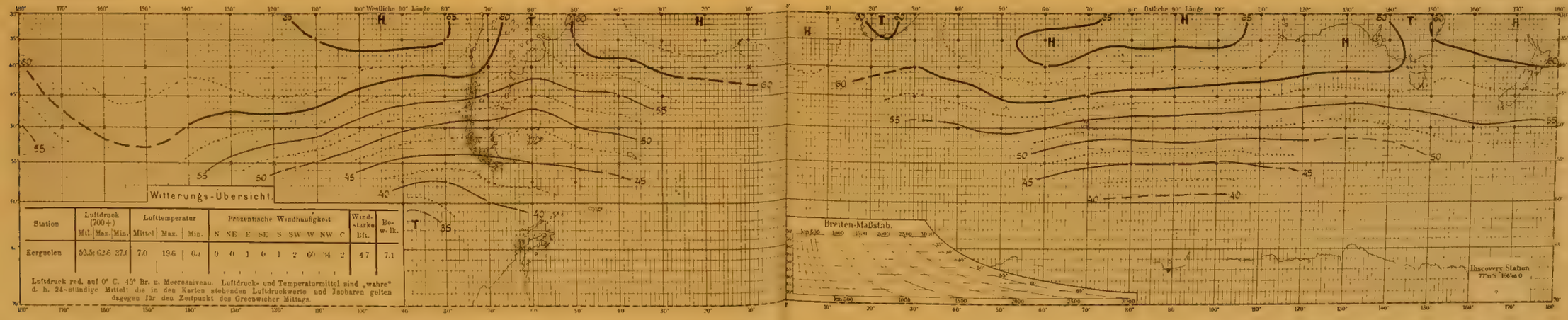
Nr. 4. Dezember 1901

Nr. 5. Januar 1902



Nr. 5. Januar 1902

Nr. 6. Februar 1902



Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bew. Tk.
Kerguelen	52.5	62.6	37.6	7.0	19.6	0.1	0	0	1	6	1	2	60	24	2	4.7	7.1

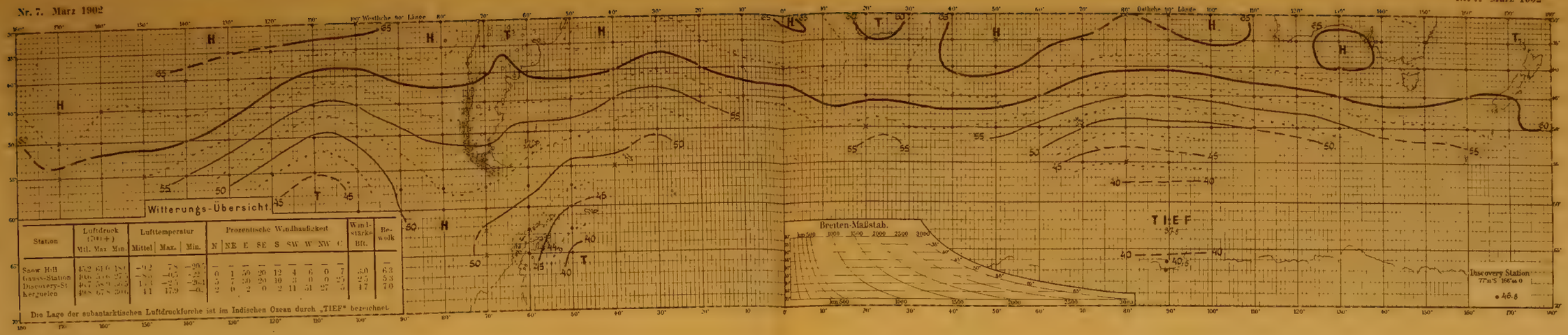
Luftdruck red. auf 0° C. 45° Br. u. Meeresniveau. Luftdruck- und Temperaturmittel sind „wahre" d. h. 24-stündige Mittel; die in den Karten stehenden Luftdruckwerte und Isobaren gelten dagegen für den Zeitpunkt des Greenwicher Mittags.

Nr. 6. Februar 1902

Tafel 3. *Nr. 7—9.*

März—Mai 1902.

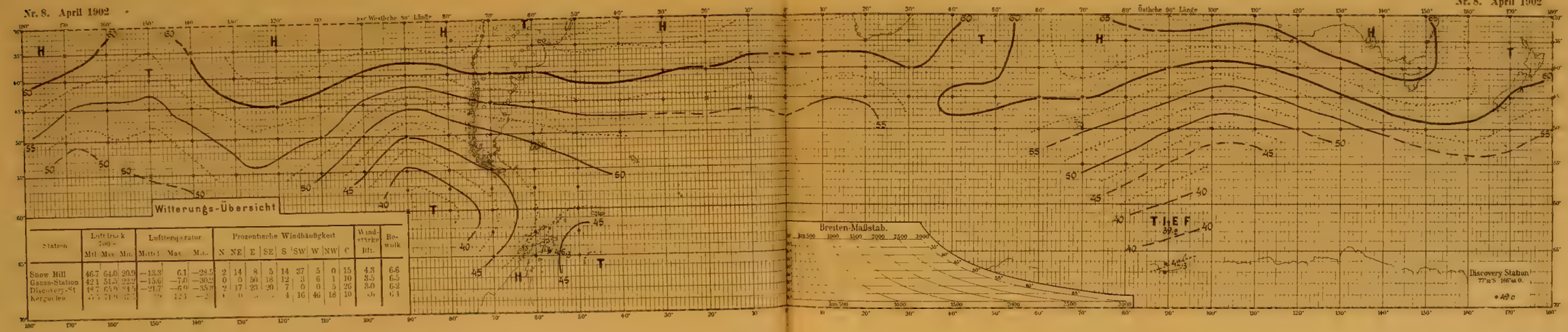
Nr. 7. März 1902



Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk
Snow Hill	45.2	61.6	18.[illegible]	−9.2	7.8	−20.5	—	—	—	—	—	—	—	—	—	—	—
Gauss-Station	40.6	5[illegible].6	27.5	−8.[illegible]	−0.5	−2[illegible]	0	1	50	20	12	4	6	0	7	3.0	6.3
Discovery-St	46.7	58.9	36.5	1[illegible].3	−2.5	−26.1	5	7	30	20	10	3	0	0	25	2.5	5.3
Kerguelen	49.8	67.8	30.6	4.1	17.9	−0.[illegible]	2	0	2	0	2	11	51	27	5	4.7	7.0

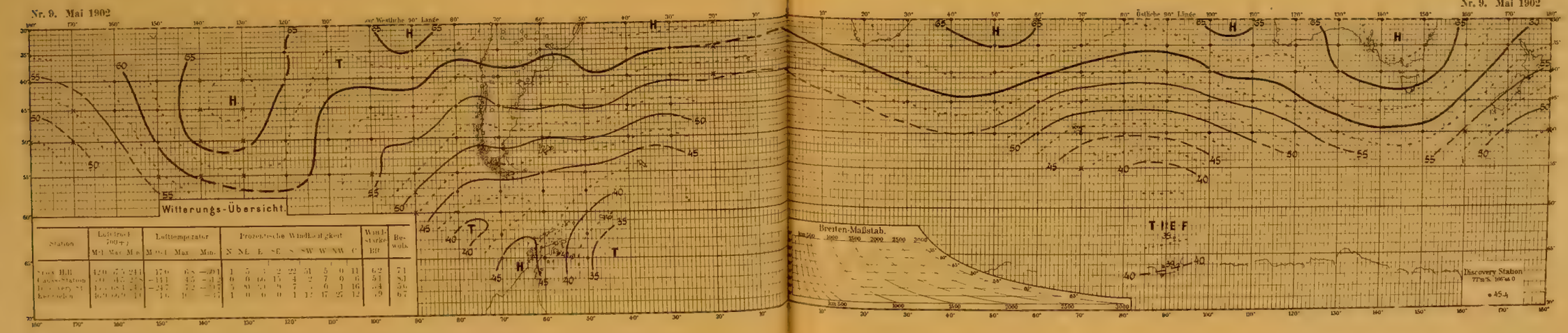
Die Lage der subantarktischen Luftdruckfurche ist im Indischen Ozean durch „TIEF" bezeichnet.

Nr. 8. April 1902



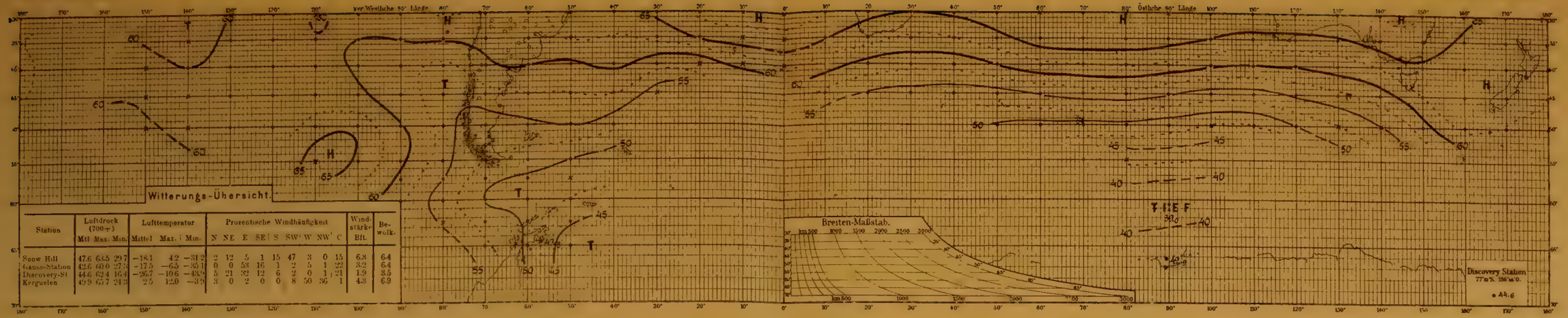
Station	Luftdruck 700+ Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk
Snow Hill	46.7	64.0	20.9	−13.3	6.1	−28.5	2	14	8	5	14	37	5	0	15	4.3	6.6
Gauss-Station	42.1	51.5	22.2	−15.6	−7.0	−30.2	0	0	50	18	12	3	6	1	10	3.5	6.5
Discovery-St	48.7	65.9	34.5	−21.7	−6.0	−35.3	2	17	23	20	7	0	0	5	26	3.0	6.2
Kerguelen	[illegible]	71.9	[illegible]	[illegible]	12.1	−2[illegible]	[illegible]	0	[illegible]	[illegible]	4	16	46	18	10	[illegible]	6.4

Nr. 9. Mai 1902



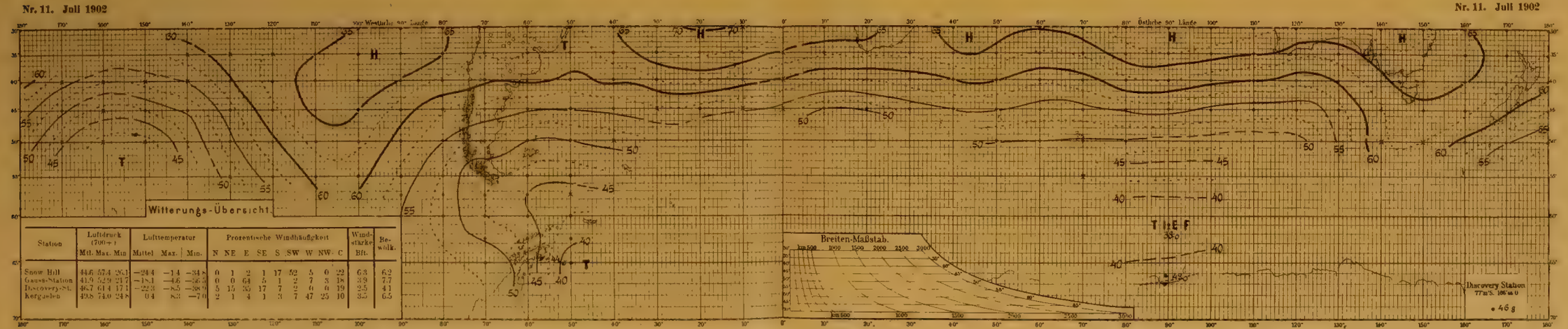
Station	Luftdruck 700+ Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk
Snow Hill	42.0	[illegible]	24.1	17.0	6.8	−30.1	1	5	[illegible]	2	22	51	5	0	11	6.2	7.1
Gauss-Station	[illegible]	[illegible]	[illegible]	−14.1	4.5	−31.2	0	0	[illegible]	15	4	2	7	0	6	5.1	8.1
Discovery-St	[illegible]	[illegible]	[illegible]	−24.7	7.2	−[illegible]	5	30	[illegible]	9	7	[illegible]	0	1	16	[illegible]	5.6
Kerguelen	[illegible]	[illegible]	[illegible]	1.6	[illegible]	−[illegible]	1	0	0	0	1	12	17	27	12	[illegible]	6.7

Nr. 10. Juni 1902



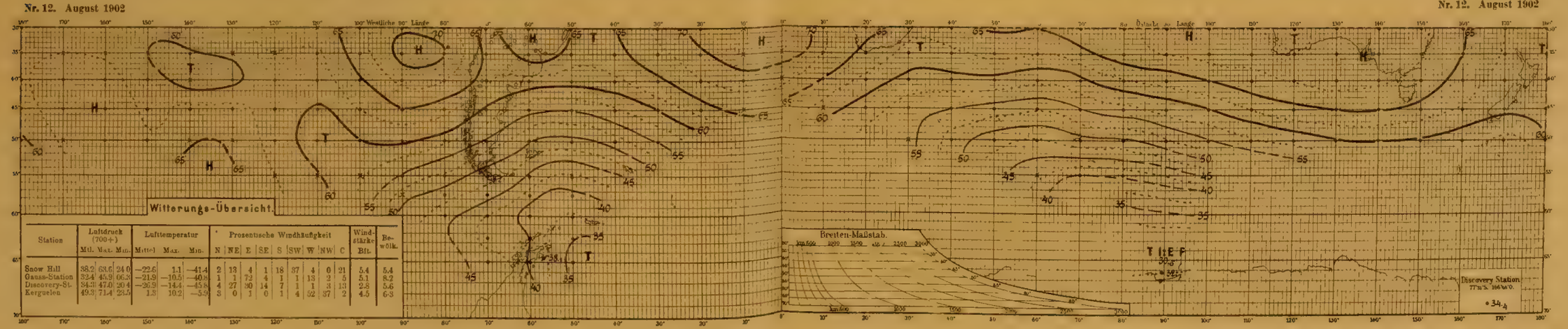
Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	47.6	64.5	29.7	−18.1	4.2	−31.2	2	12	5	1	15	47	3	0	15	6.8	6.4
Gauss-Station	42.6	60.0	27.3	−17.5	−6.5	−35.1	0	0	53	16	1	2	5	1	22	3.2	6.4
Discovery-St.	44.6	62.4	16.4	−26.7	−10.6	−48.9	5	21	22	12	6	2	0	1	21	1.9	3.5
Kerguelen	49.9	61.7	24.9	2.5	12.0	−3.9	3	0	2	0	0	8	50	36	1	4.3	6.9

Nr. 11. Juli 1902



Station	Luftdruck (700+) Mtl.	Max.	Min	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	44.6	57.4	26.1	−24.4	−14	−34.8	0	1	2	1	17	52	5	0	22	6.3	6.2
Gauss-Station	41.9	52.9	21.7	−18.1	−4.6	−36.5	0	0	64	5	1	2	7	3	18	3.9	7.7
Discovery-St.	46.7	61.4	17.1	−22.3	−8.5	−38.9	5	15	35	17	7	2	6	6	19	2.5	4.1
Kerguelen	49.6	74.0	24.8	0.4	8.3	−7.0	2	1	4	1	3	7	47	25	10	3.5	6.5

Nr. 12. August 1902

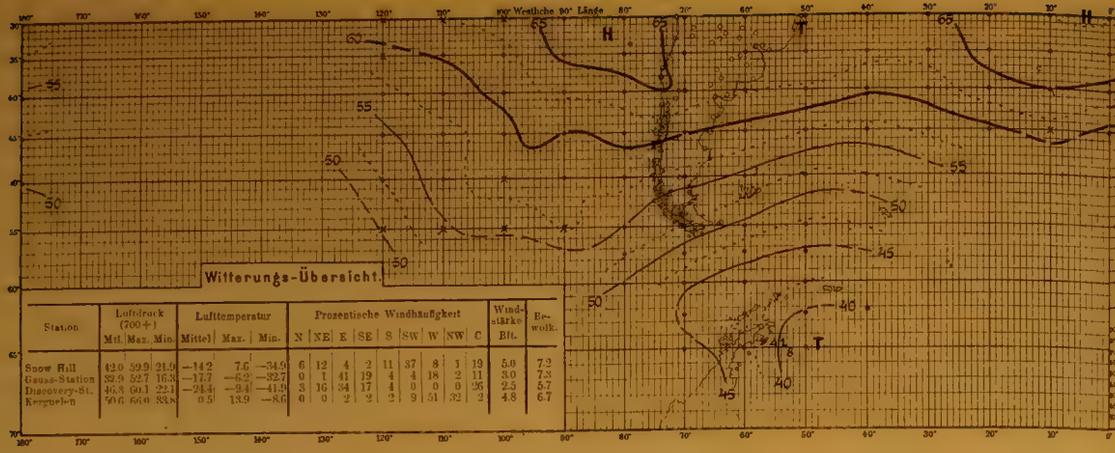


Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	38.2	53.6	24.0	−22.6	1.1	−41.4	2	13	4	1	18	37	4	0	21	5.4	5.4
Gauss-Station	32.4	45.9	06.3	−21.9	−10.5	−40.8	1	1	72	4	1	1	13	2	5	5.1	8.2
Discovery-St.	34.3	47.0	20.4	−26.9	−14.4	−45.8	4	27	30	14	7	1	1	3	13	2.8	5.6
Kerguelen	49.3	71.4	23.5	1.8	10.2	−5.9	3	0	1	0	1	4	52	37	2	4.5	6.3

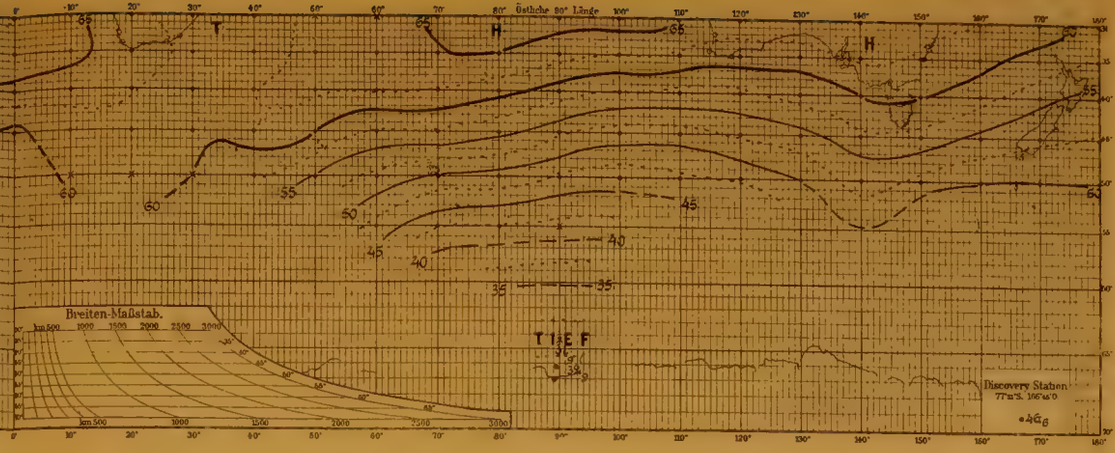
Tafel 5. *Nr. 13—15.*

September—November 1902.

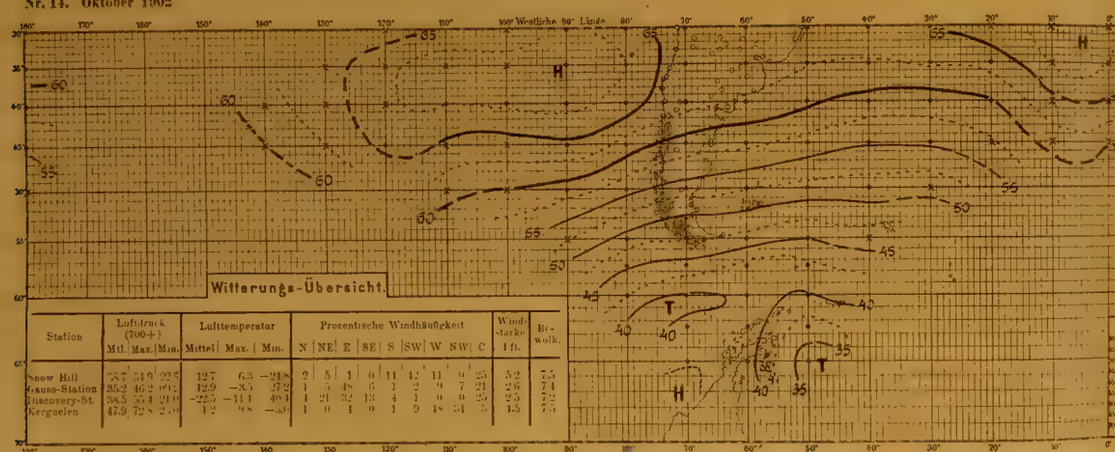
Nr. 13. September 1902



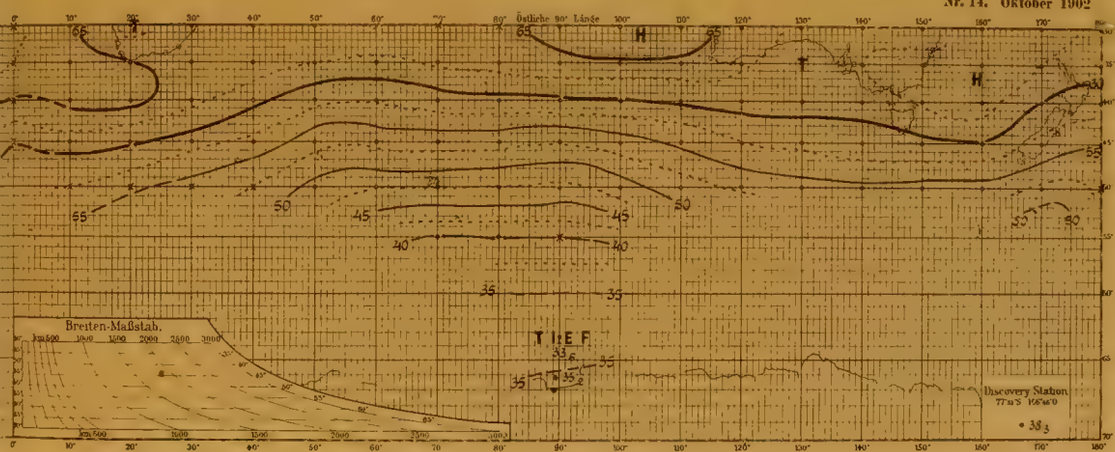
Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	42.0	59.9	21.9	−14.2	7.6	−34.9	6	12	4	2	11	37	8	1	19	5.0	7.2
Gauss-Station	32.9	52.7	16.8	−17.7	−6.2	−32.7	0	1	41	19	4	4	18	2	11	3.0	7.3
Discovery-St.	46.8	60.1	22.1	−24.4	−9.4	−41.9	3	16	34	17	4	0	0	0	26	2.5	5.7
Kerguelen	50.6	56.0	33.8	0.5	13.9	−8.6	0	0	2	2	2	9	51	32	2	4.8	6.7



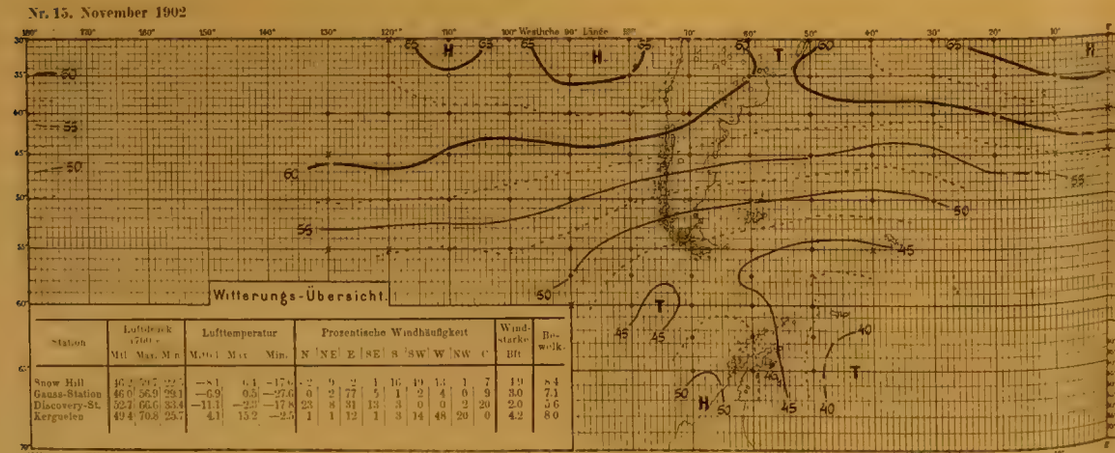
Nr. 14. Oktober 1902



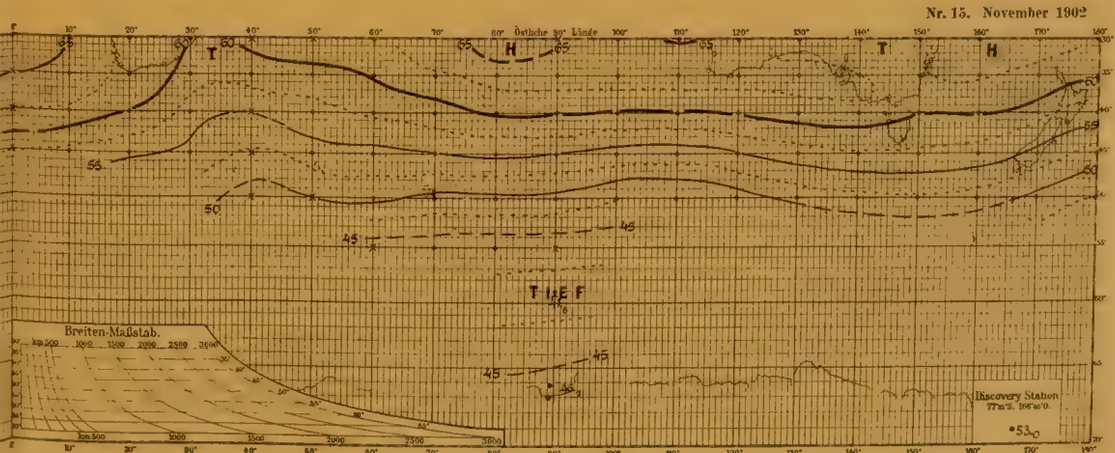
Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	33.7	51.0	22.8	13.7	6.3	−9.8	2	5	1	0	11	42	11	0	28	5.2	7.5
Gauss-Station	35.2	46.2	20.2	12.9	−3.5	−27.2	1	3	48	6	1	2	9	7	21	2.6	7.4
Discovery-St.	38.5	57.4	21.0	−22.7	−11.1	−40.1	1	21	32	13	4	1	0	0	28	2.5	7.2
Kerguelen	47.9	72.8	24.0	1.2	9.8	−8.0	3	0	1	0	1	9	18	34	34	4.5	7.5



Nr. 15. November 1902



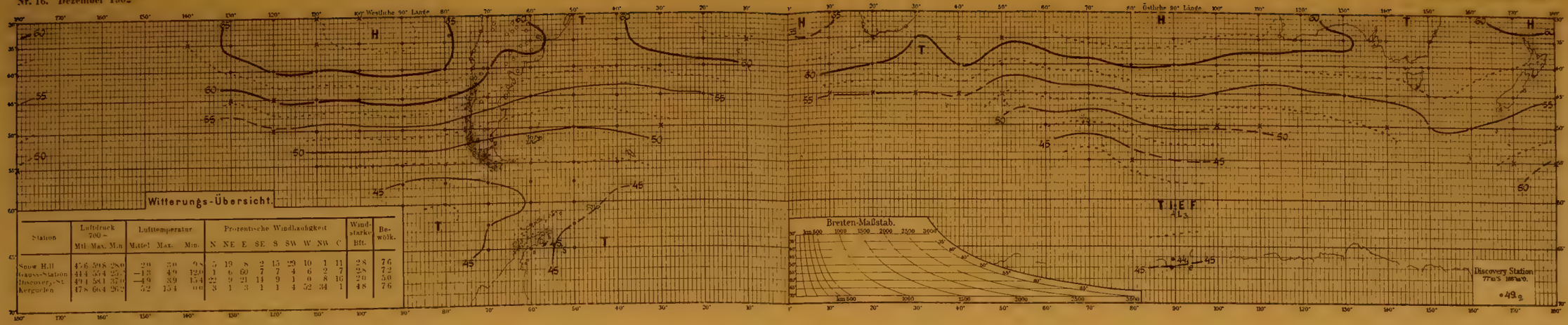
Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	46.3	59.7	32.3	−8.1	0.4	−17.6	2	9	2	1	16	19	14	1	7	4.9	8.4
Gauss-Station	46.0	56.9	29.1	−0.9	0.5	−27.6	0	2	77	5	1	2	4	0	9	3.0	7.1
Discovery-St.	52.7	66.6	33.4	−11.1	−2.3	−17.8	23	8	31	13	3	0	0	2	20	2.0	5.6
Kerguelen	49.4	70.8	25.7	4.1	15.2	−2.5	1	1	12	1	3	14	48	20	0	4.2	8.0



Tafel 6. Nr. 16—18.

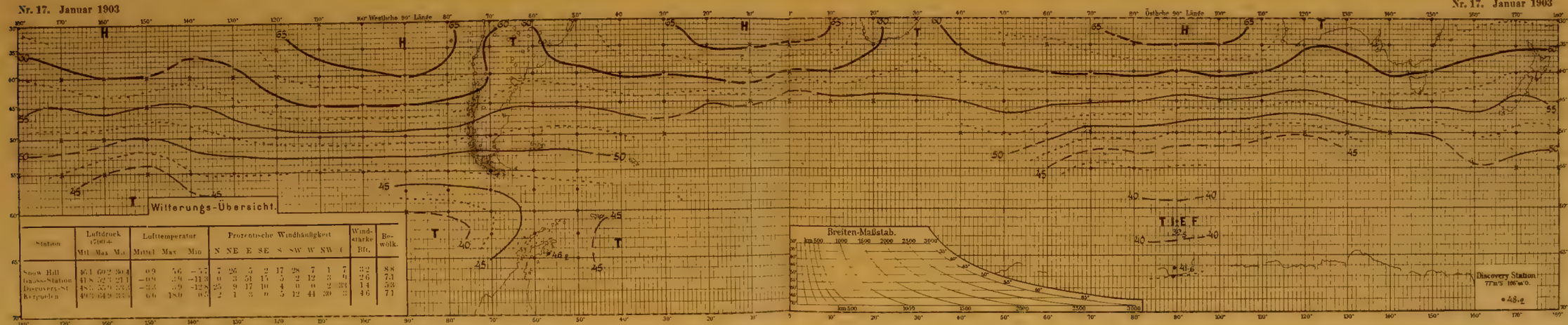
Dezember 1902—Februar 1903.

Nr. 16. Dezember 1902



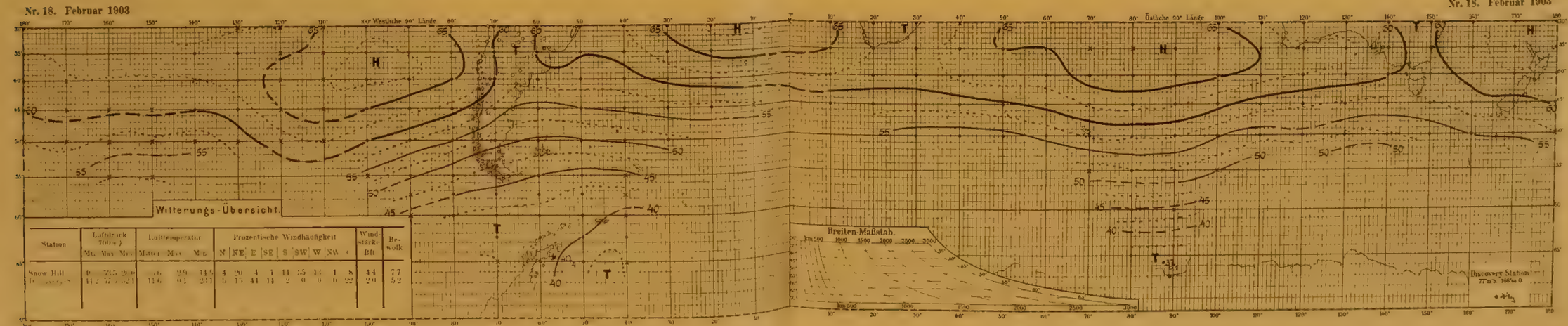
Station	Luftdruck 700 + Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	45.6	59.8	28.0	2.0	3.0	9.8	5	19	8	2	15	29	10	1	11	2.8	7.6
Gauss-Station	44.4	55.4	25.2	−1.3	4.9	12.0	1	6	60	7	7	4	6	2	7	2.8	7.2
Discovery-St.	49.4	58.1	37.0	−4.9	3.9	15.4	22	9	21	14	9	1	0	8	16	2.0	5.0
Kerguelen	47.8	66.4	26.2	5.2	15.4	0.0	3	1	3	1	1	4	52	34	1	4.8	7.6

Nr. 17. Januar 1903



Station	Luftdruck 700 + Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	46.1	60.2	30.4	0.9	5.6	−5.7	7	26	5	2	17	28	7	1	7	3.2	8.8
Gauss-Station	41.8	52.3	21.1	−0.9	3.9	−11.3	0	3	51	15	5	2	12	3	9	2.6	7.1
Discovery-St.	48.5	55.9	33.3	−3.3	3.9	−12.8	25	9	17	10	4	0	0	2	33	1.4	5.3
Kerguelen	49.3	64.9	33.3	6.6	18.0	0.5	2	1	3	0	5	12	44	30	3	4.6	7.1

Nr. 18. Februar 1903



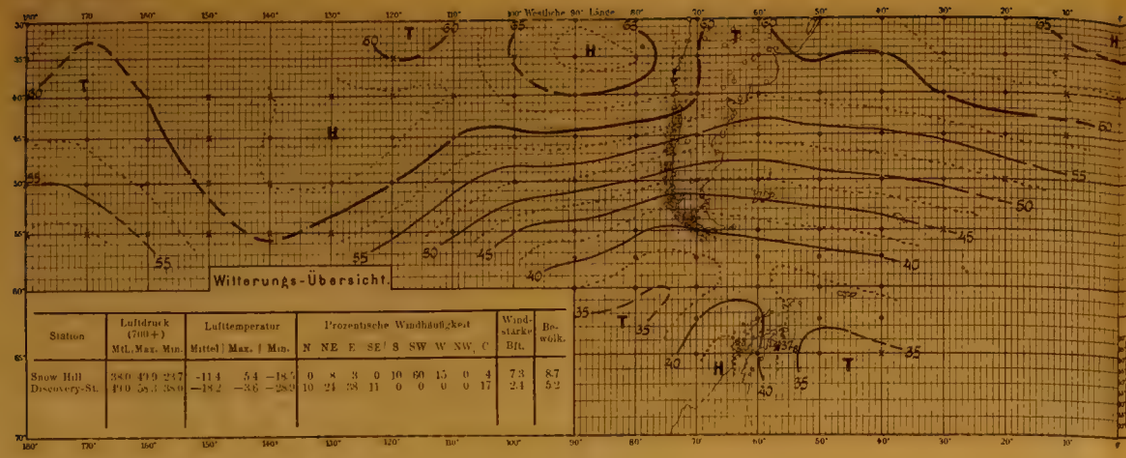
Station	Luftdruck 700 + Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	[illegible]	53.5	20.0	[illegible]	2.9	14.5	4	20	4	1	14	35	13	1	8	4.4	7.7
Discovery-St.	44.2	[illegible]	[illegible]	11.6	0.1	23.1	5	15	44	14	2	0	0	0	22	2.0	5.2

Tafel 7. *Nr. 19—21.*

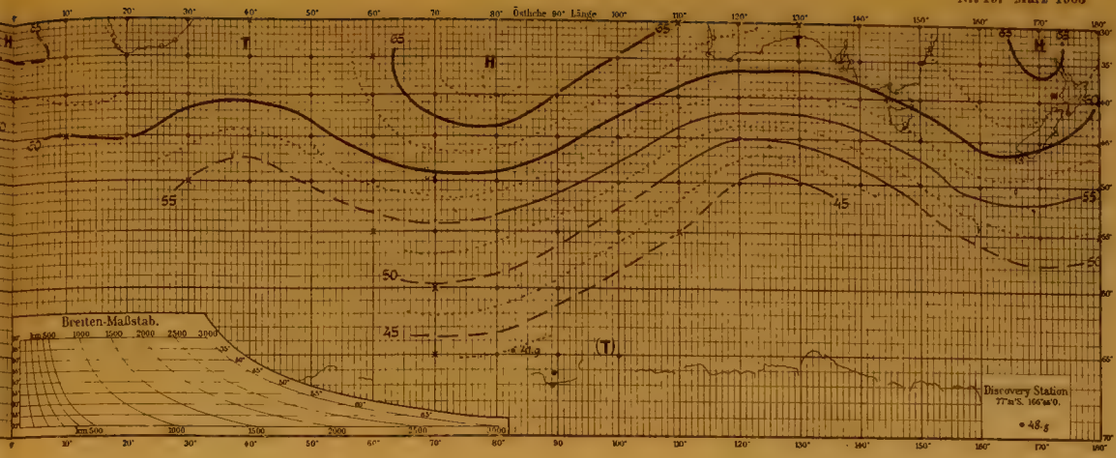
März—Mai 1903.

LIBRARY OF THE MUSEUM OF COMPARATIVE ZOOLOGY AT HARVARD COLLEGE

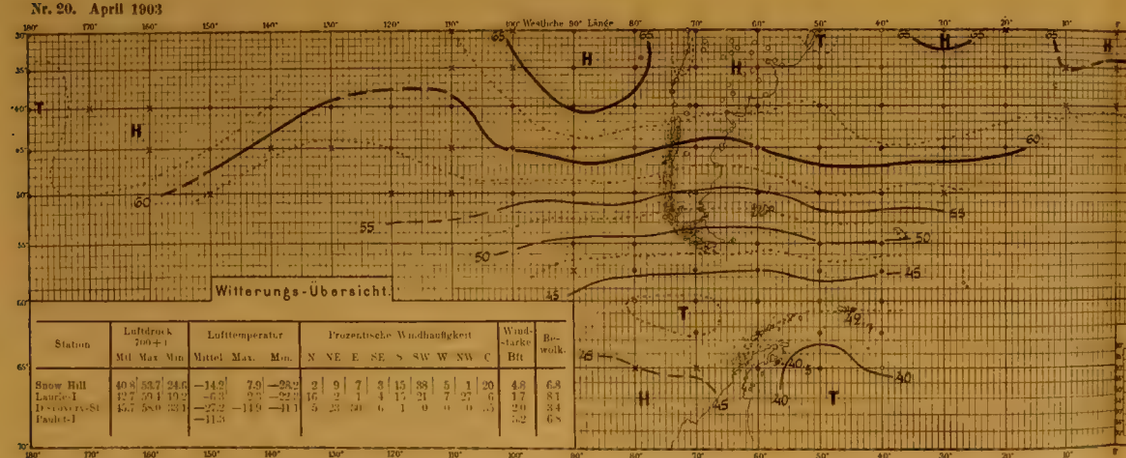
Nr. 19. März 1903



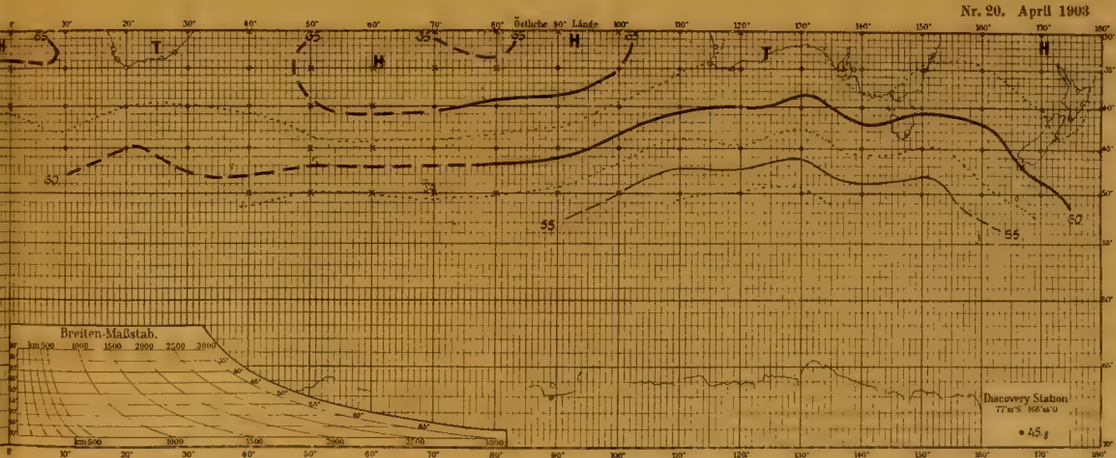
Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	386	409	247	-11·4	5·4	-18·7	0	8	3	0	10	60	15	0	4	7·3	8·7
Discovery-St.	410	433	380	-18·2	-3·6	-28·9	10	24	38	11	0	0	0	0	17	2·4	5·2



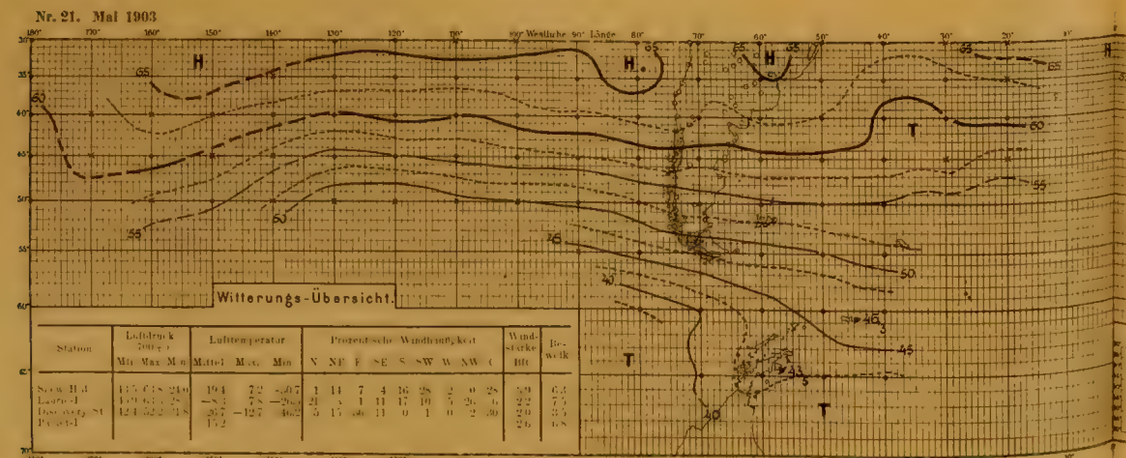
Nr. 20. April 1903



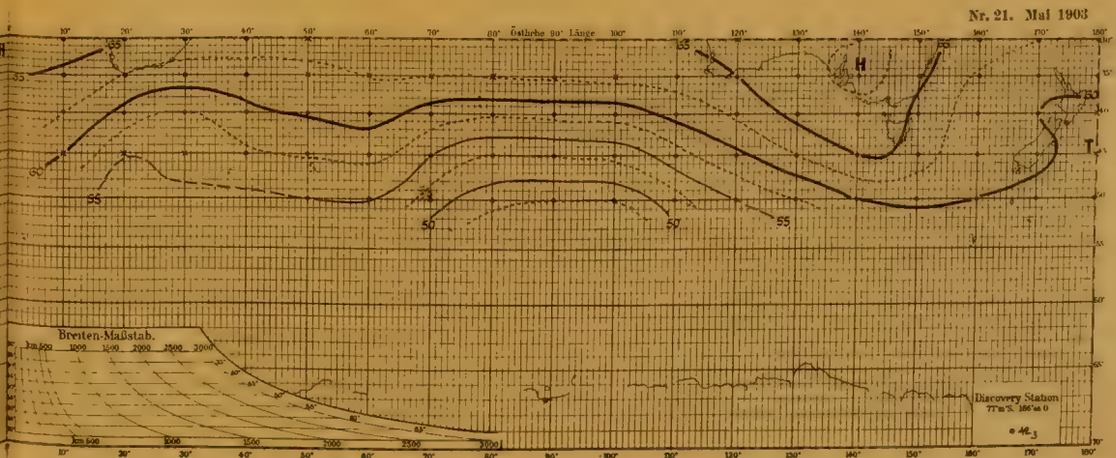
Station	Luftdruck 700+ Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft	Bewölk.
Snow Hill	40·8	53·7	24·6	-14·2	7·9	-28·2	2	9	7	3	15	38	5	1	20	4·8	6·8
Laurie-I	42·7	50·1	19·2	-6·3	9·3	-22·9	16	2	1	4	17	21	7	27	6	1·7	8·1
Discovery-St	45·7	58·9	33·1	-27·2	-11·9	-41·1	5	23	20	6	1	0	0	0	35	2·0	3·4
Paulet-I				-11·3												5·2	6·8



Nr. 21. Mai 1903



Station	Luftdruck 700+ Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft	Bewölk.
Snow Hill	43·5	61·8	24·0	1·4	7·2	-5·7	1	14	7	4	16	28	2	0	28	5·9	6·4
Laurie-I	44·9	63·1	28·8	-8·3	1·8	-20·0	21	5	1	11	17	10	5	26	6	2·2	7·5
Discovery-St	42·4	52·2	31·8	-3·7	-1·2	-6·2	5	15	26	11	0	1	0	2	30	2·0	3·5
Paulet-I				1·2												2·0	6·8

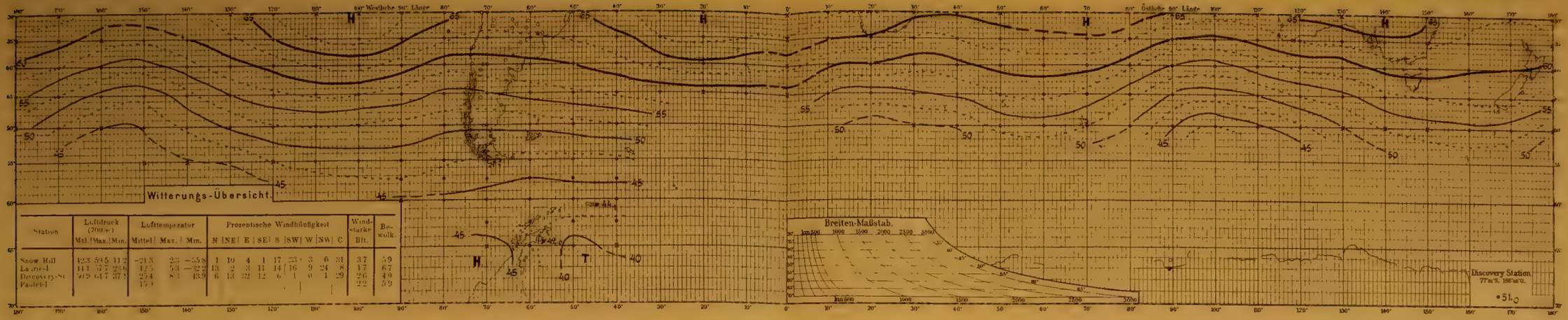


Tafel 8. Nr. 22—24.

Juni—August 1903.

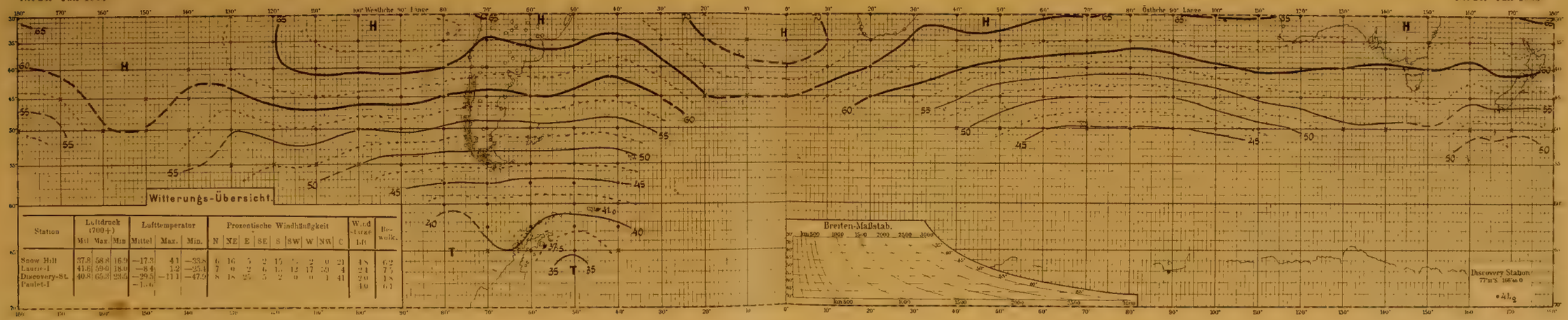
MARINE BIOLOGICAL LABORATORY
WOODS HOLE
LIBRARY
MASS.

Nr. 22. Juni 1903



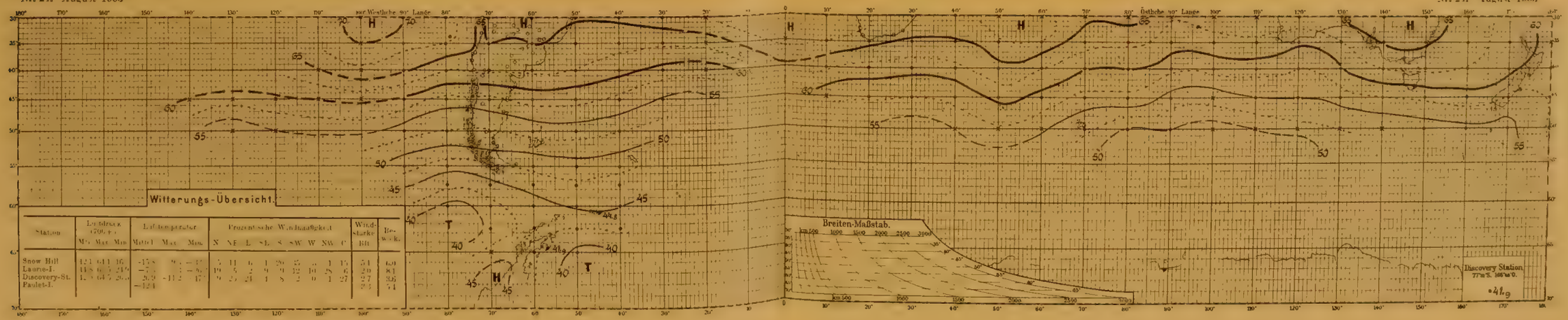
Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	42.3	59.5	11.2	−21.3	2.3	−55.8	1	10	4	1	17	23	3	6	31	3.7	5.9
Laurie-I.	41.1	57.7	22.6	12.5	5.3	−32.9	13	2	3	11	14	16	9	24	8	1.7	6.7
Discovery-St.	39.9	64.7	17.3	2.4	8.5	43.9	6	13	32	12	6	1	0	1	29	2.6	4.0
Paulet-I.				1.9												2.2	5.9

Nr. 23. Juli 1903



Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	37.8	58.8	16.9	−17.3	4.1	−53.8	6	16	5	2	15	7	2	9	21	4.8	6.2
Laurie-I.	41.6	59.0	18.0	−8.4	1.2	−35.4	7	0	2	6	11	12	17	30	4	2.4	7.7
Discovery-St.	40.8	65.3	23.5	−29.5	−11.1	−47.9	8	18	25	5	2	0	0	1	41	2.0	3.8
Paulet-I.				−1.6												1.0	6.1

Nr. 24. August 1903

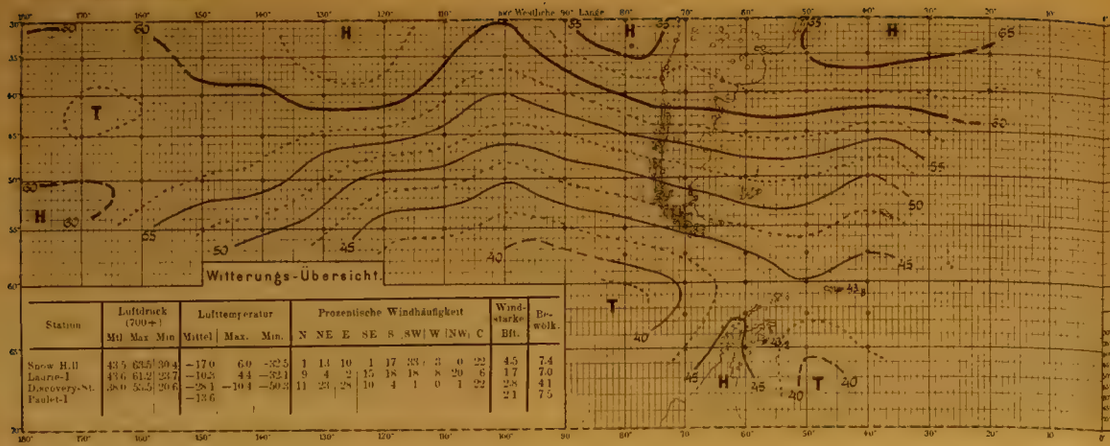


Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	42.1	61.1	16.	−17.8	9.1	−47.	5	11	6	1	20	25	5	1	15	5.1	6.0
Laurie-I.	41.8	60.3	21.0	−7.7	1.3	−36.	10	5	2	9	9	12	10	28	6	2.0	8.1
Discovery-St.	41.3	64.7	26..	−2.9	−11.2	17.	9	2	24	1	8	2	0	1	27	2.7	8.6
Paulet-I.				−12.1												2.3	7.1

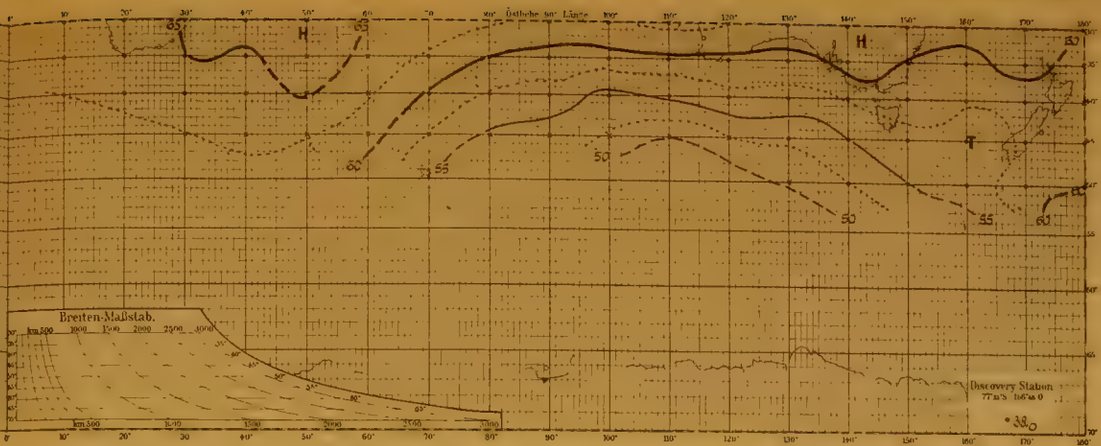
Tafel 9. Nr. 25—27.

September—November 1903.

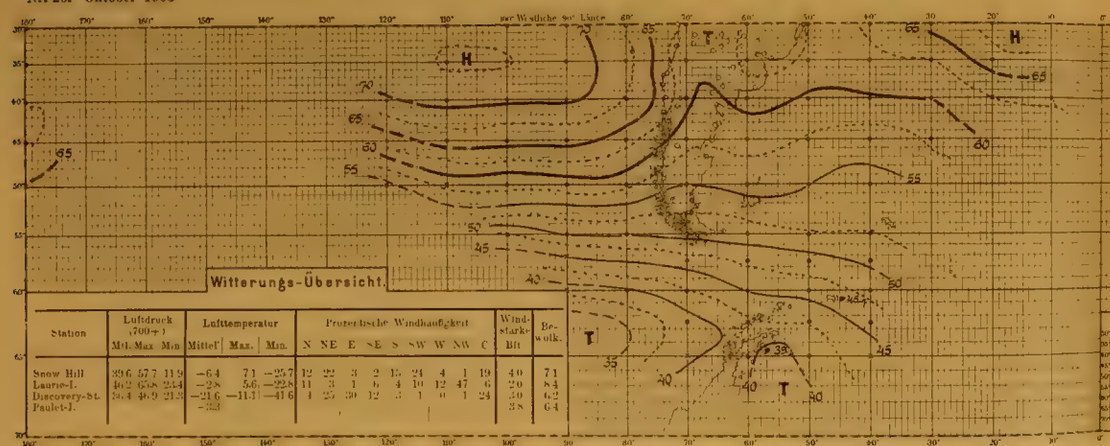
Nr. 25. September 1903



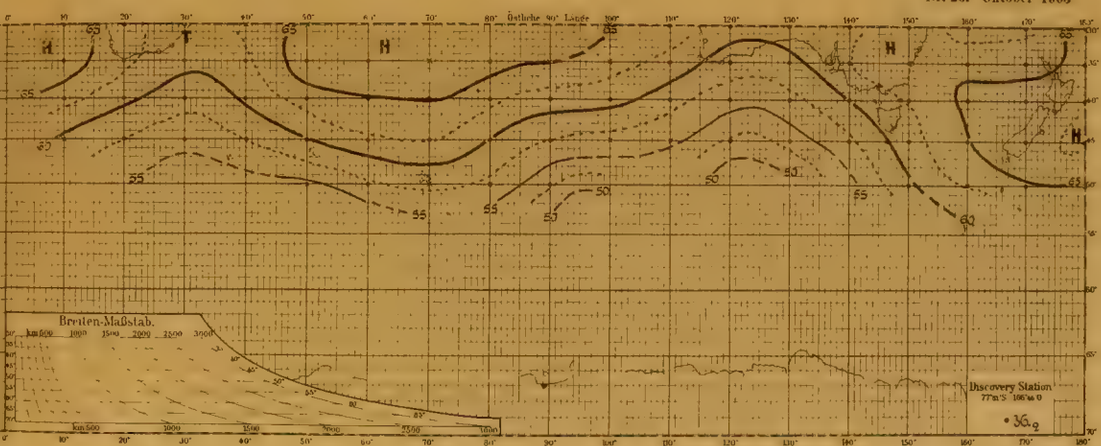
Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	43·5	63·5	30·4	−17·0	6·0	−32·5	1	14	10	1	17	33	3	0	22	4·5	7·4
Laurie-I.	47·6	61·2	23·7	−10·2	4·4	−32·1	9	4	2	15	18	18	8	20	6	1·7	7·0
Discovery-St.	38·0	53·5	20·6	−28·1	−10·4	−50·3	11	25	28	10	4	1	0	1	22	2·8	4·1
Paulet-I.				−13·6												2·1	7·5



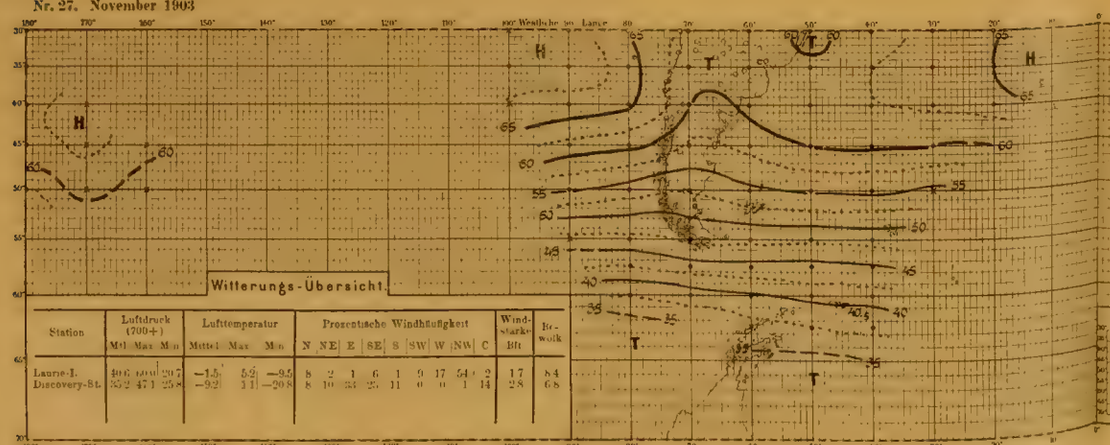
Nr. 26. Oktober 1903



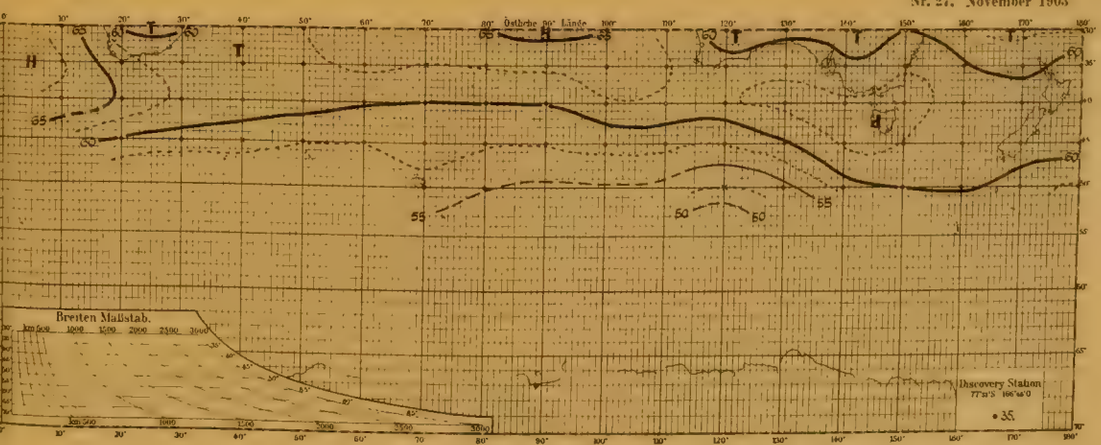
Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	39·6	57·7	11·9	−6·4	7·1	−25·7	12	22	3	2	15	24	4	1	19	4·0	7·1
Laurie-I.	46·2	65·8	25·4	−2·8	5·6	−22·8	11	3	1	6	4	10	12	47	6	2·0	8·4
Discovery-St.	38·4	49·9	21·3	−21·6	−11·1	−41·6	4	25	30	12	3	1	0	1	24	3·0	6·2
Paulet-I.				−3·3												3·8	6·4



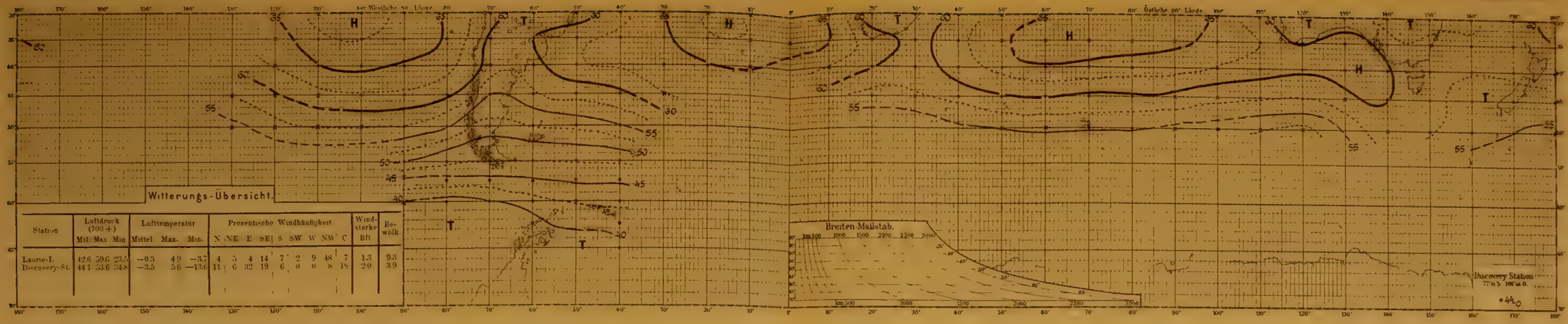
Nr. 27. November 1903



Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Laurie-I.	40·6	60·0	20·7	−1·5	5·2	−9·5	8	2	1	6	1	9	17	54	2	1·7	8·4
Discovery-St.	35·2	47·1	25·8	−9·2	3·1	−20·8	8	10	33	25	11	0	0	1	14	2·8	6·8

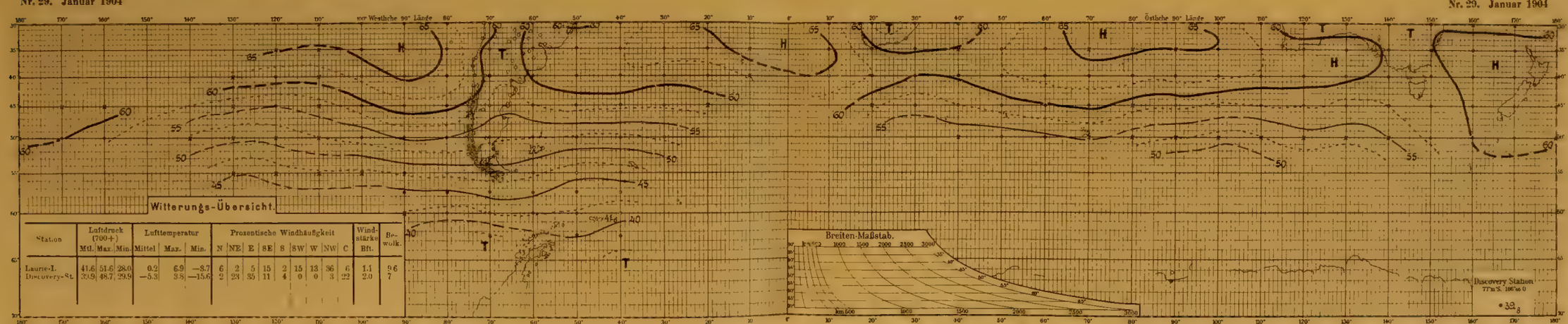


Nr. 28. Dezember 1903



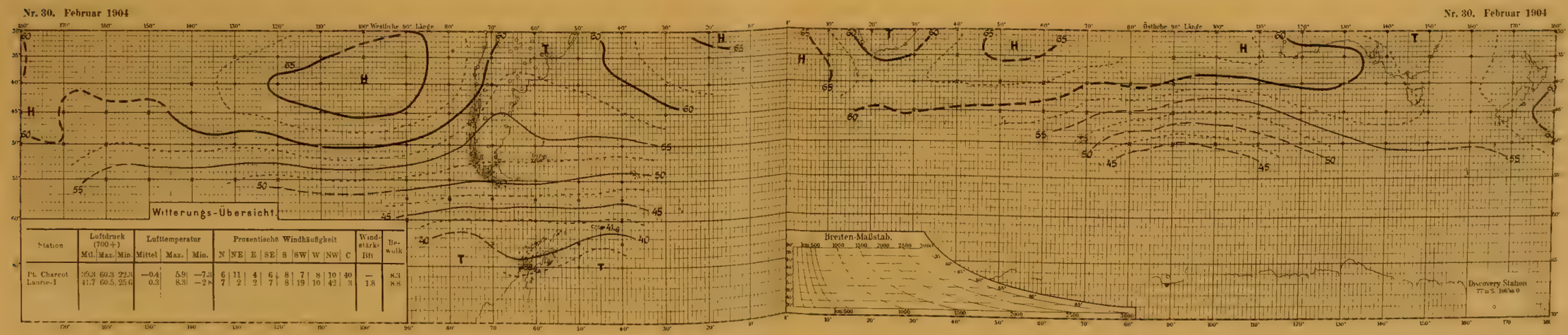
Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft	Bewölk.
Laurie-I.	42.6	59.6	23.5	—0.3	4.9	—3.7	4	5	4	14	7	2	9	48	7	1.3	9.3
Discovery-St.	44.1	53.6	34.8	—3.5	5.6	—13.6	11	6	32	19	6	0	0	8	18	2.0	3.9

Nr. 29. Januar 1904



Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Laurie-I.	41.6	51.6	28.0	0.2	6.9	—8.7	6	2	5	15	2	15	13	36	6	1.1	9.6
Discovery-St.	39.9	48.7	29.9	—5.3	3.8	—15.6	2	23	35	11	4	0	0	3	22	2.0	7

Nr. 30. Februar 1904

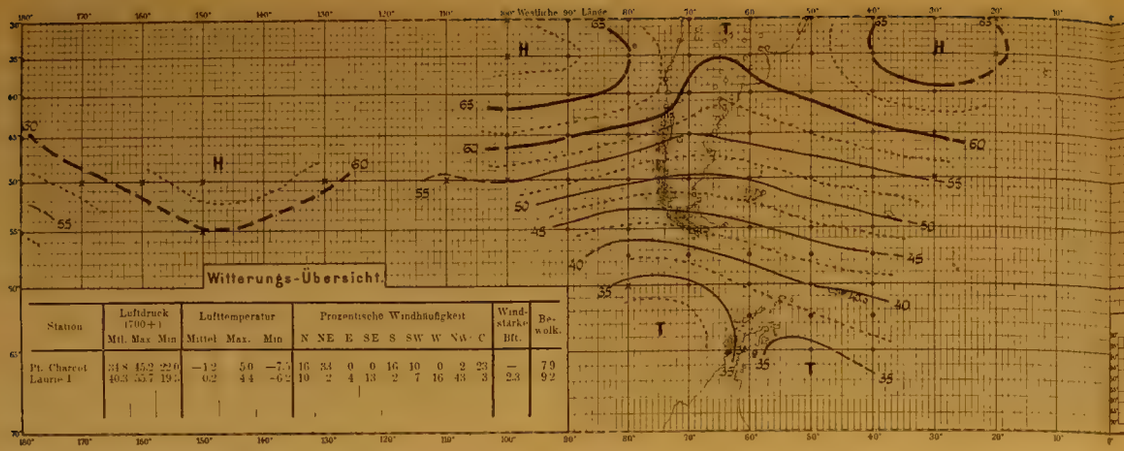


Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft	Bewölk.
Pt. Charcot	36.3	60.3	22.3	—0.4	5.9	—7.3	6	11	4	6	8	7	8	10	40	—	8.3
Laurie-I.	41.7	60.5	25.6	0.3	8.3	—2.8	7	2	2	7	8	19	10	42	3	1.8	8.8

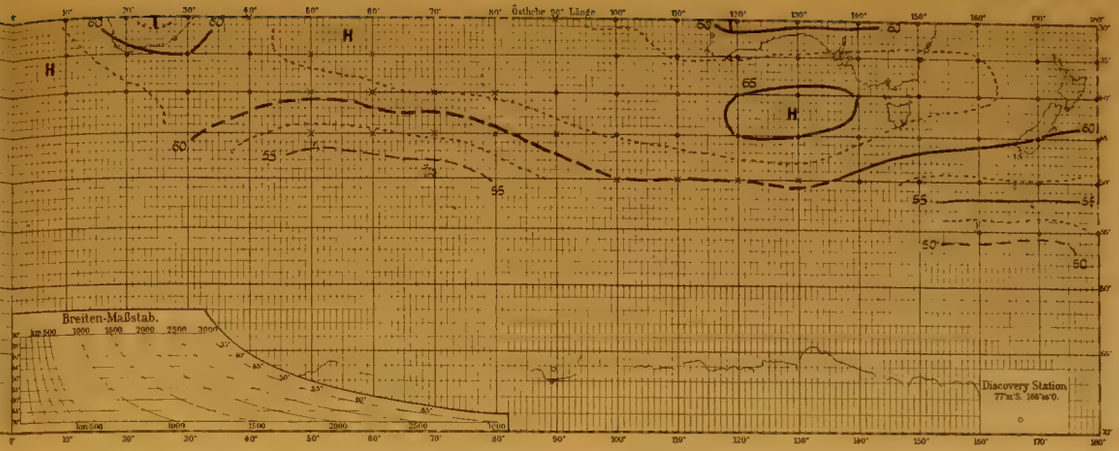
Tafel 11. *Nr. 31—33.*

März 1904, Sommer 1901/02, Herbst 1902.

Nr. 31. März 1904

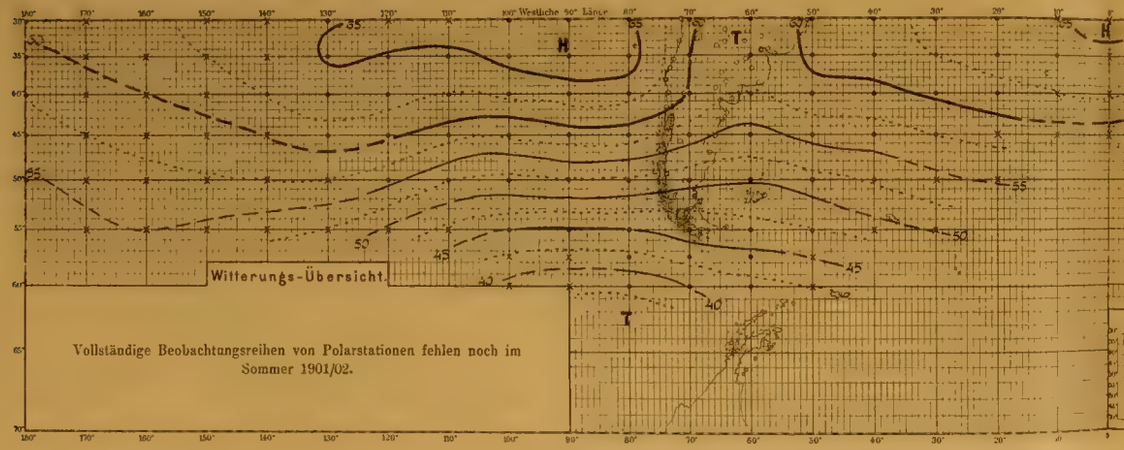


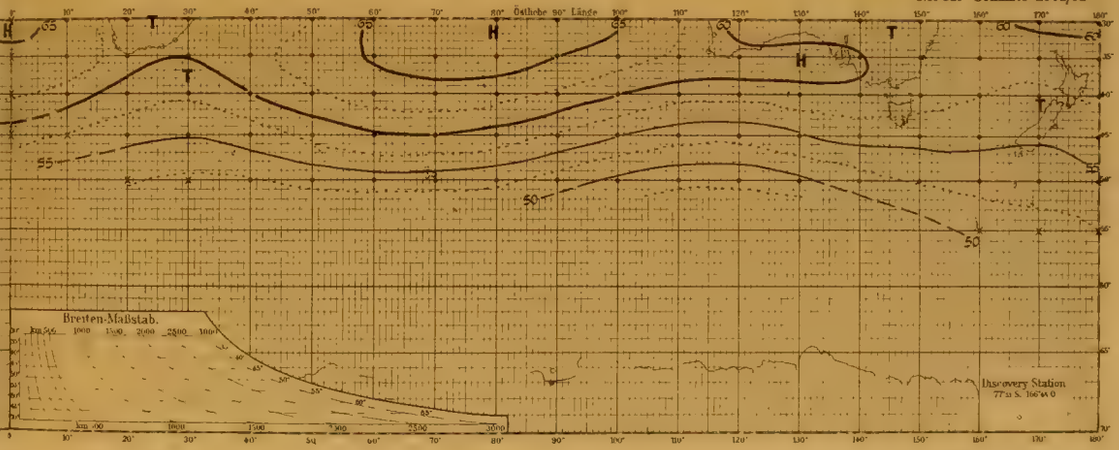
Station	Luftdruck (700+) Mtl.	Max	Min	Lufttemperatur Mittel	Max.	Min	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewolk.
Pt. Charcot	34.8	45.2	22.6	−1.2	5.0	−7.5	16	33	0	0	16	10	0	2	23	—	7.9
Laurie I	40.3	55.7	19.5	0.2	4.4	−6.2	10	2	4	13	2	7	16	43	3	2.3	9.2



Nr. 31. März 1904

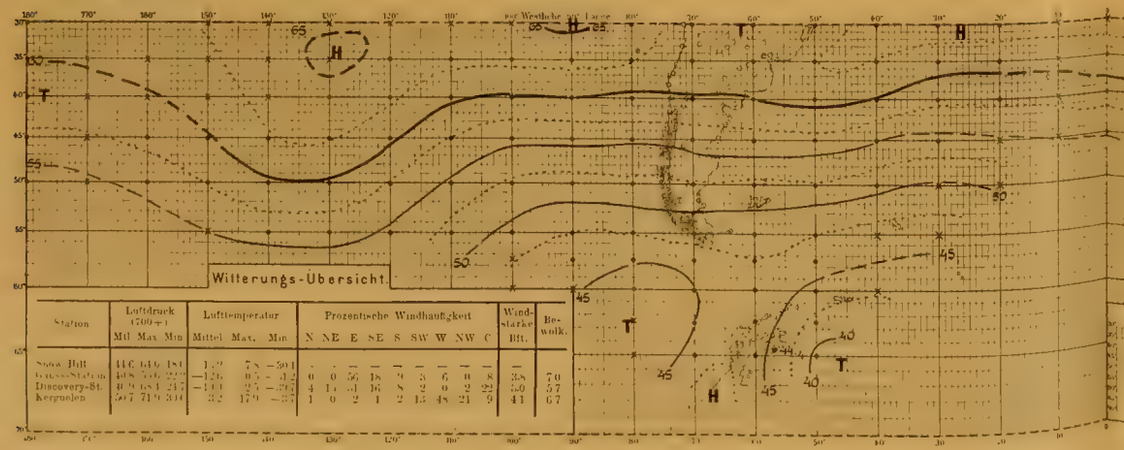
Nr. 32. Dezember 1901—Februar 1902



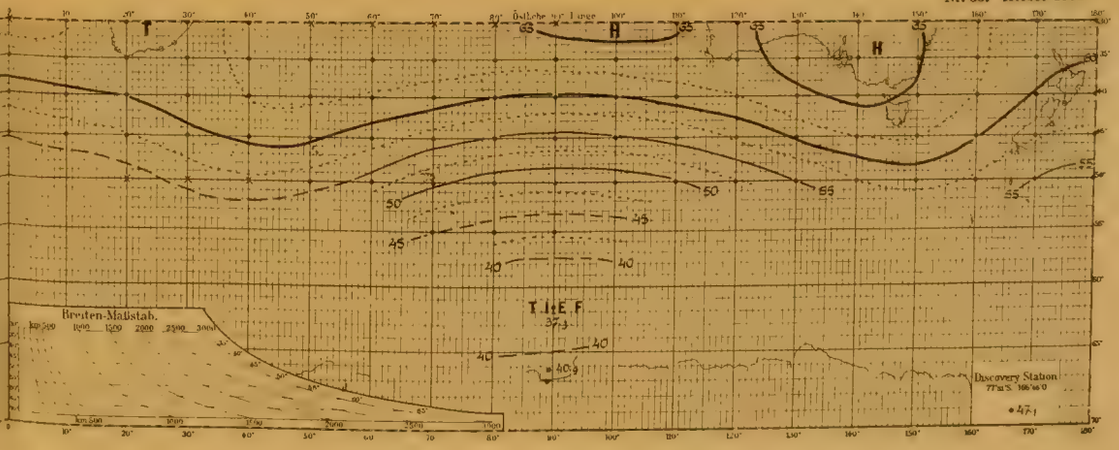


Nr. 32. Sommer 1901/02

Nr. 33. März—Mai 1902



Station	Luftdruck (700+) Mtl.	Max	Min	Lufttemperatur Mittel	Max.	Min	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewolk.
Snow Hill	44.6	51.0	38.1	1.9	7.8	−3.0	.	.	.	.	.	.	.	.	.	—	
Discovery-Station	40.8	55.6	22.5	−1.5	0.5	−3.2	0	0	56	18	9	5	6	0	8	3.8	7.0
Discovery-St.	40.9	48.4	24.7	−1.0	2.5	−7.5	4	11	3	16	8	2	0	2	22	5.0	5.7
Kerguelen	50.7	71.0	30.0	2.2	12.0	−3.5	1	0	2	1	2	15	48	21	9	4.1	6.7

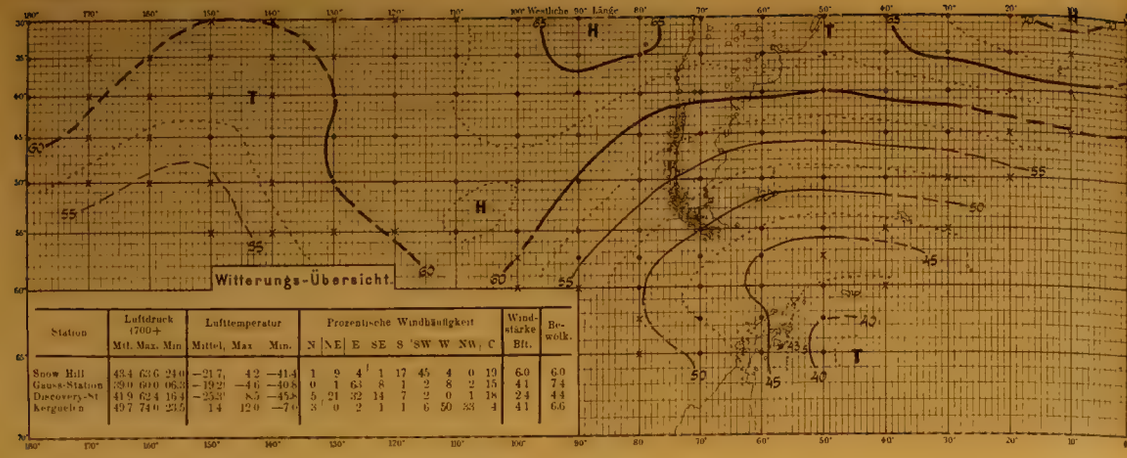


Nr. 33. Herbst 1902

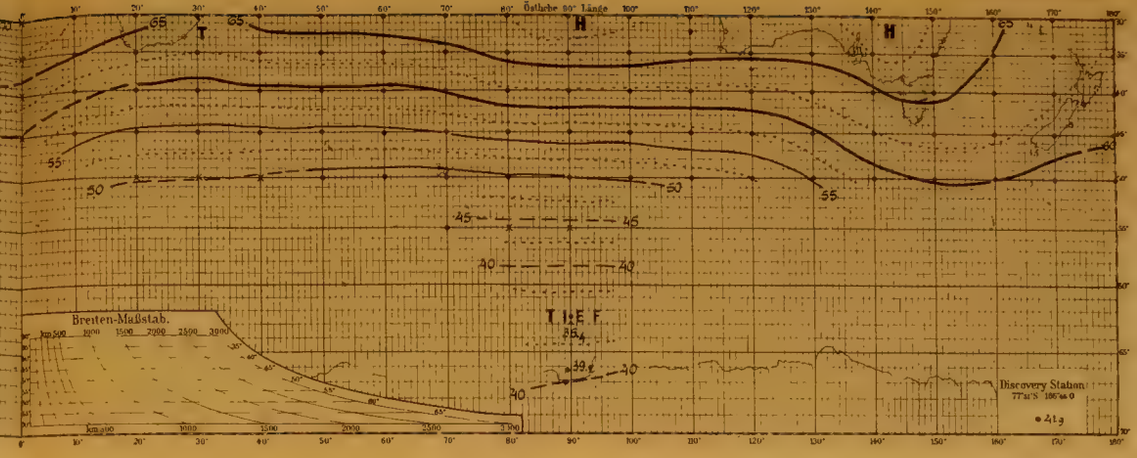
Tafel 12. *Nr. 34—36.*

Winter, Frühling 1902,
Sommer 1902/03.

Nr. 34. Juni—August 1902

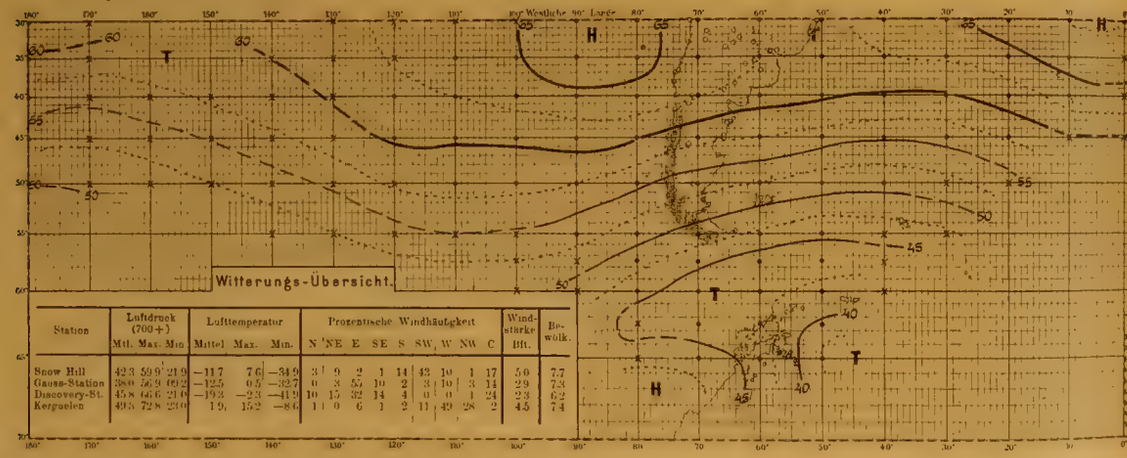


Station	Luftdruck (700+) Mtl.	Max.	Min	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	43·4	63·6	24·0	−21·7	4·2	−41·4	1	9	4	1	17	45	4	0	19	6·0	6·0
Gauss-Station	39·0	69·0	06·3	−19·2	−4·6	−40·8	0	1	63	8	1	2	8	2	15	4·1	7·4
Discovery-St.	41·9	62·4	16·4	−23·5	8·5	−45·8	5	21	32	14	7	2	0	1	18	2·4	4·4
Kerguelen	49·7	74·0	23·5	1·4	12·0	−7·6	3	0	2	1	1	6	50	33	4	4·1	6·6

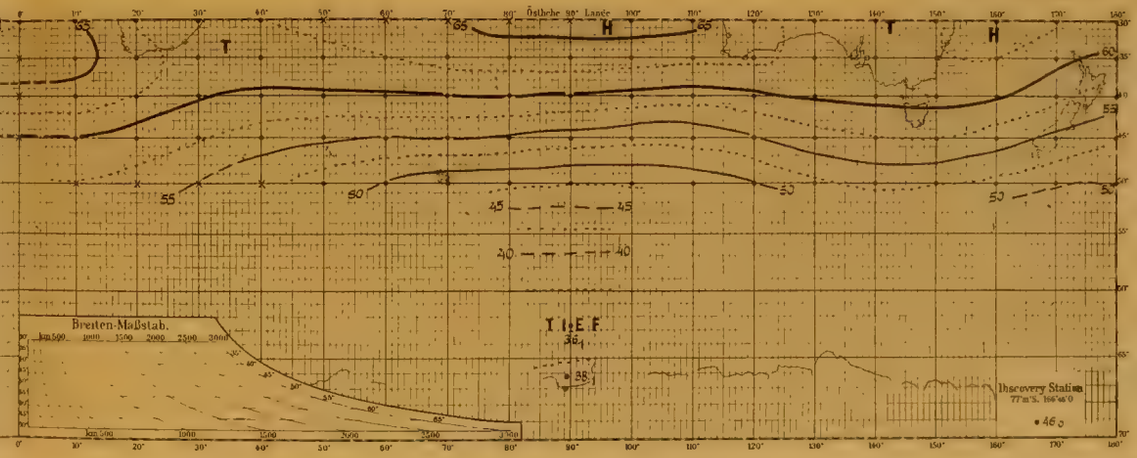


Nr. 34. Winter 1902

Nr. 35. September—November 1902

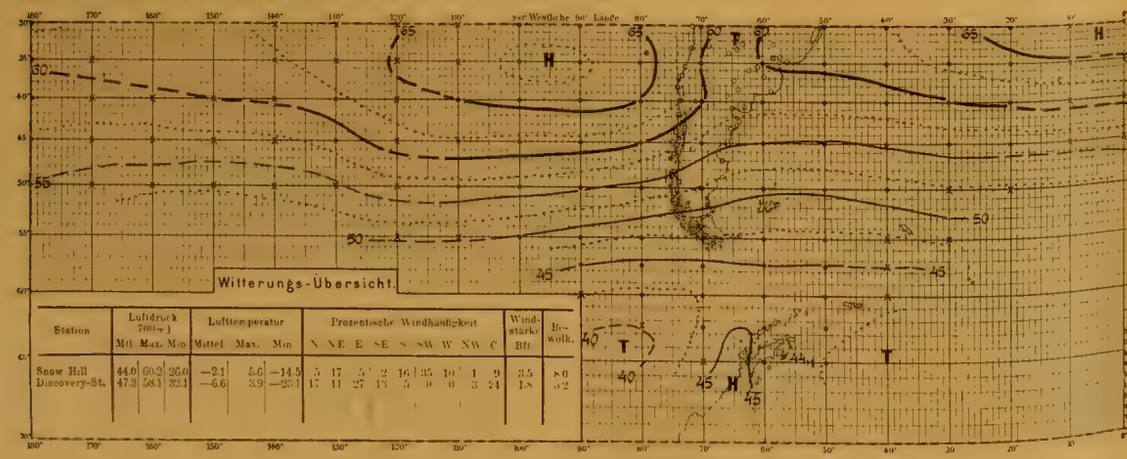


Station	Luftdruck (700+) Mtl.	Max.	Min	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	42·3	59·9	21·9	−11·7	7·6	−34·9	3	9	2	1	14	43	10	1	17	5·0	7·7
Gauss-Station	38·0	56·9	09·2	−12·5	0·5	−32·7	0	3	55	10	2	3	10	3	14	2·9	7·3
Discovery-St.	45·8	67·6	21·6	−19·3	−2·3	−41·9	10	15	32	14	4	0	1	0	24	2·3	6·2
Kerguelen	49·5	72·8	23·0	1·9	15·2	−8·6	1	1	0	6	1	2	11	49	28	2	4·5	7·4

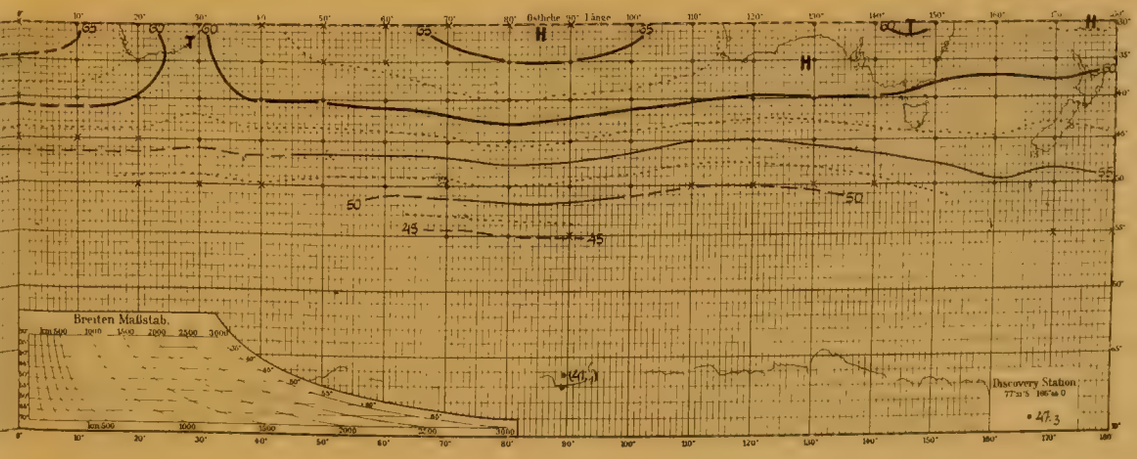


Nr. 35. Frühling 1902

Nr. 36. Dezember 1902—Februar 1903



Station	Luftdruck (700+) Mtl.	Max.	Min	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	44·0	60·2	26·0	−2·1	5·6	−14·5	5	17	5	2	16	35	10	1	9	3·5	8·0
Discovery-St.	47·3	58·1	32·1	−6·6	3·9	−23·1	17	11	27	13	5	0	0	3	24	1·8	9·2

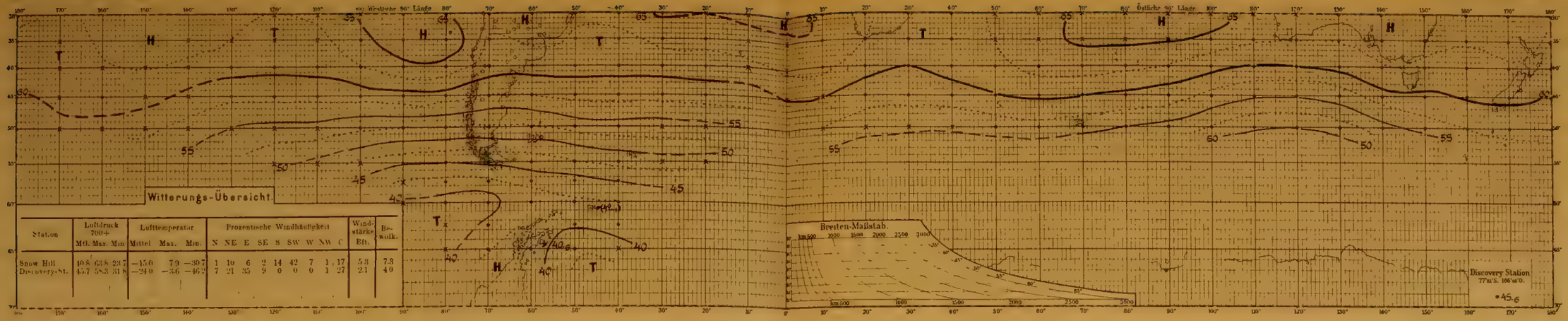


Nr. 36. Sommer 1902/03

Tafel 13. *Nr. 37—39.*

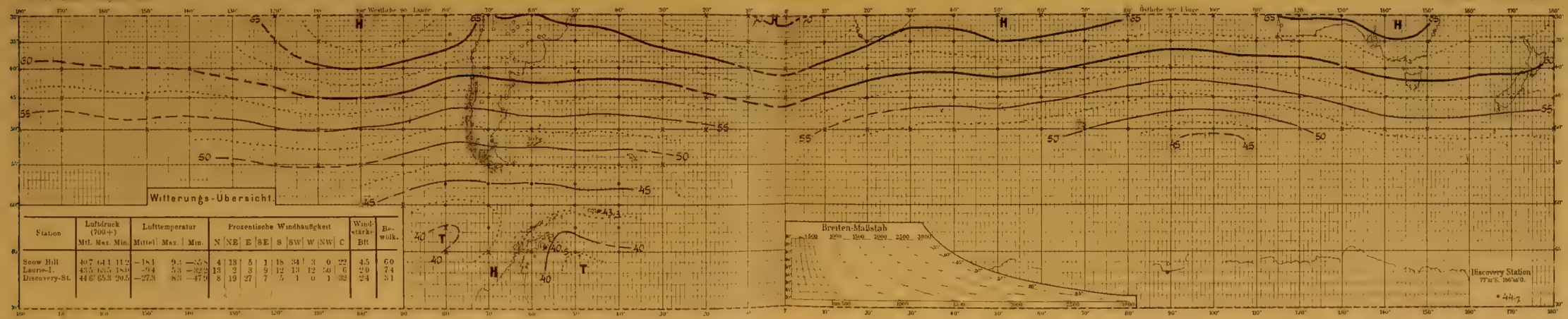
Herbst, Winter, Frühling 1903.

Nr. 37. März—Mai 1903 **Nr. 37. Herbst 1903**



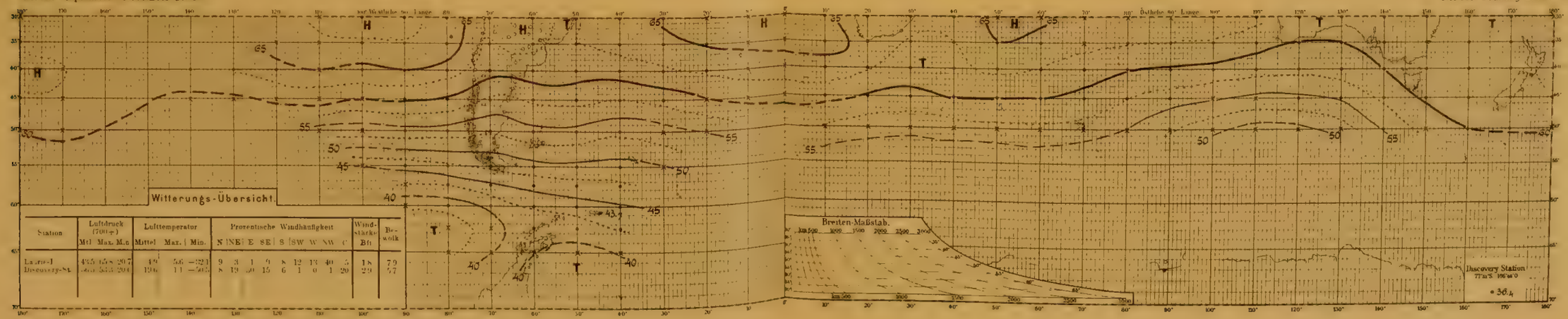
Station	Luftdruck 700+ Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	40.8	63.8	23.7	−15.0	7.9	−30.7	1	10	6	2	14	42	7	1	17	5.3	7.3
Discovery-St.	45.7	58.3	31.8	−24.0	−3.6	−46.2	7	21	35	9	0	0	0	1	27	2.1	4.0

Nr. 38. Juni—August 1903 **Nr. 38. Winter 1903**



Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft	Bewölk.
Snow Hill	40.7	64.1	11.2	−18.1	9.3	−35.8	4	13	5	1	18	34	3	0	22	4.5	6.0
Laurie-I.	43.5	63.5	18.0	−9.4	5.3	−32.2	13	2	3	9	12	13	12	30	6	2.0	7.4
Discovery-St.	44.6	65.3	20.5	−27.3	8.3	−47.9	8	19	27	7	5	1	0	1	32	2.4	3.1

Nr. 39. September—November 1903 **Nr. 39. Frühling 1903**

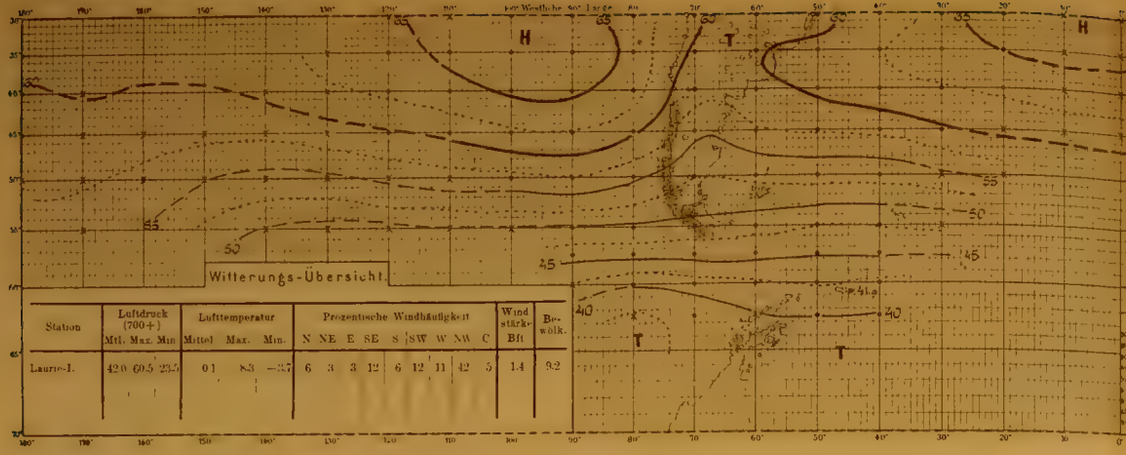


Station	Luftdruck (700+) Mtl.	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft	Bewölk.
Laurie-I.	43.5	65.8	20.7	4.9	5.6	−32.1	9	3	1	9	8	12	13	40	5	1.8	7.9
Discovery-St.	[illegible]	53.3	20.4	19.6	1.1	−50.5	8	19	30	15	6	1	0	1	20	2.9	5.7

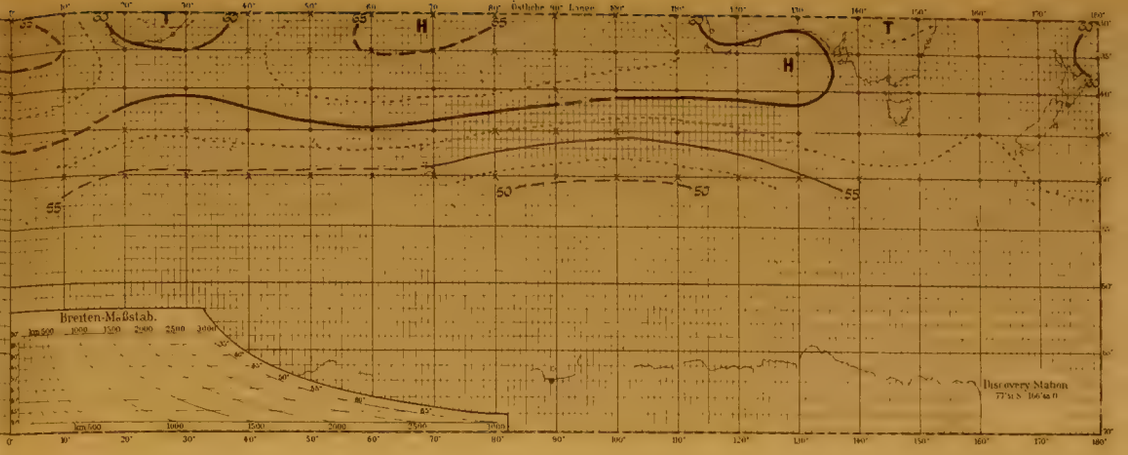
Tafel 14. *Nr. 40—42.*

Sommer 1903/04,
Frühling, Herbst.

Nr. 40. Dezember 1903—Februar 1904

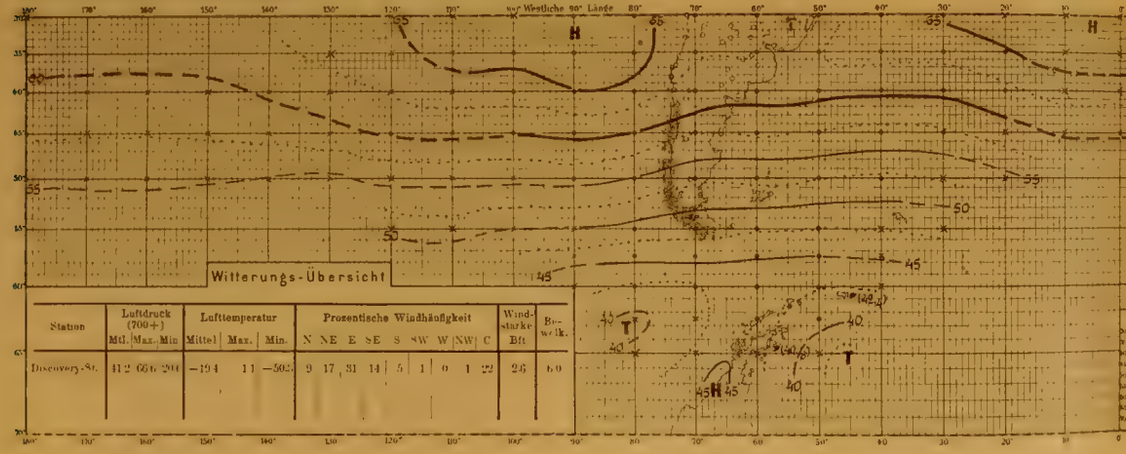


Station	Luftdruck (700+) Mtl.	Max.	Min	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft	Bewölk.
Laurie-I.	42·0	60·5	23·5	0·1	8·3	−3·7	6	3	3	12	6	12	11	42	5	1·4	9·2

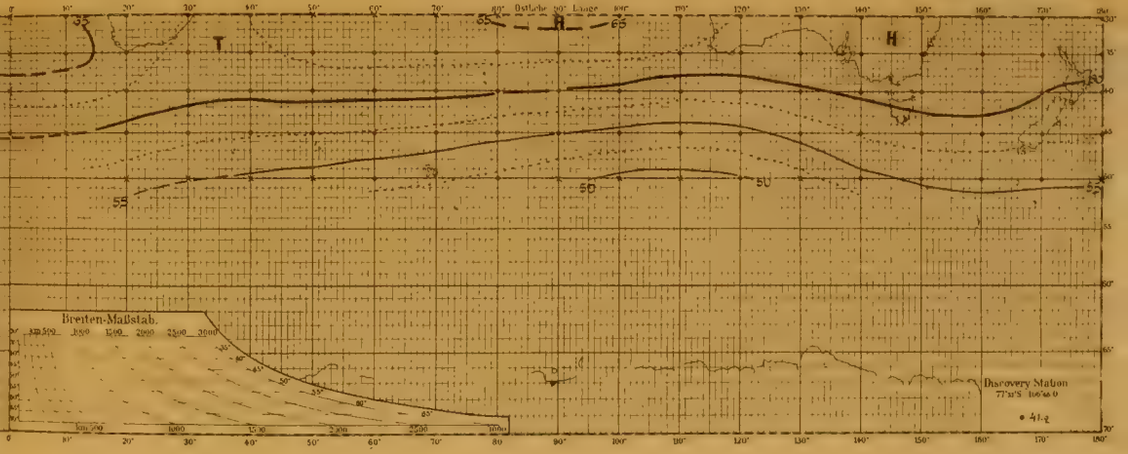


Nr. 40. Sommer 1903/04

Nr. 41. September—November (Mittel)

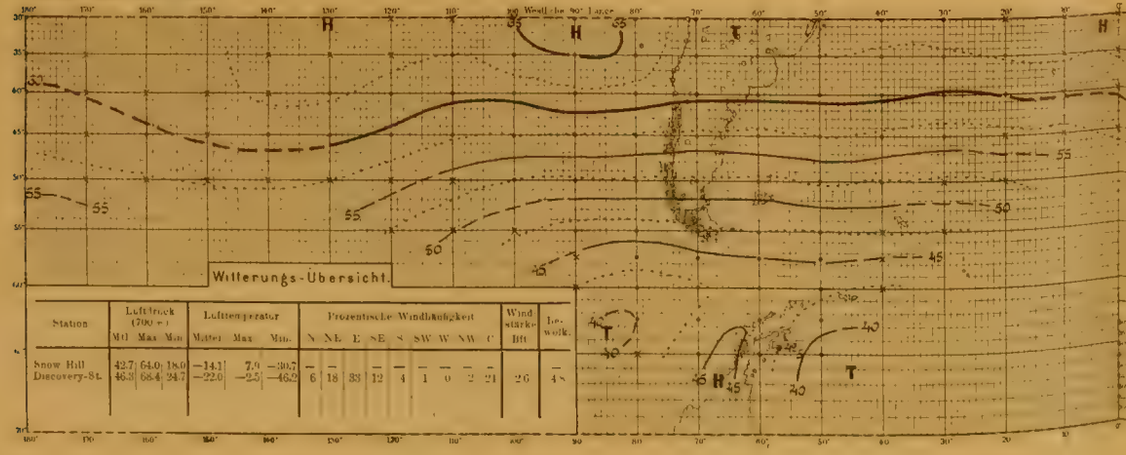


Station	Luftdruck (700+) Mtl.	Max.	Min	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft	Bewölk.
Discovery-St.	41·2	66·0	20·0	−19·4	1·1	−50·2	9	17	31	14	5	1	0	1	22	2·6	6·0

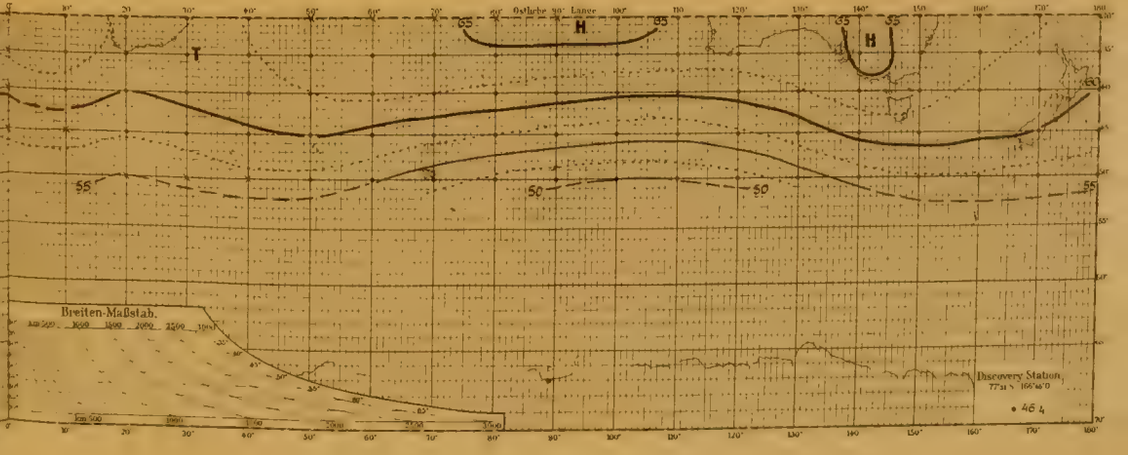


Nr. 41. Frühling (Mittel)

Nr. 42. Marz—Mai (Mittel)



Station	Luftdruck (700+) Mtl.	Max.	Min	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft	Bewölk.
Snow Hill	42·7	64·0	18·0	−14·1	7·0	−30·7	—	—	—	—	—	—	—	—	—	—	—
Discovery-St.	46·3	68·4	24·7	−22·0	−2·5	−46·2	6	18	33	12	4	1	0	2	21	2·6	4·8



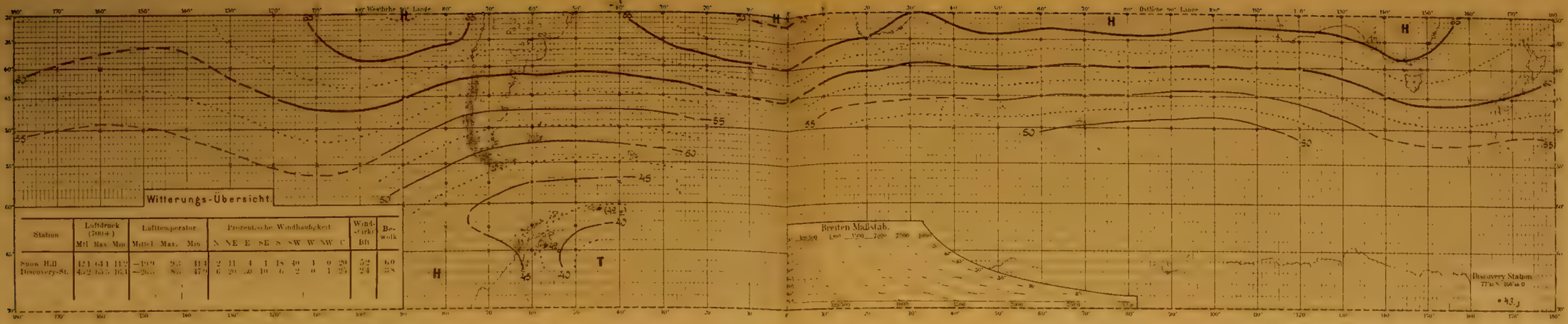
Nr. 42. Herbst (Mittel)

Tafel 15. *Nr. 43—45.*

Winter, Sommer, Winter—Sommer.

Nr. 43. Juni—August (Mittel)

Nr. 43. Winter (Mittel)



Station	Luftdruck (700+) Mtl	Max	Min	Lufttemperatur Mittel	Max.	Min	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft	Bewölk
Snow Hill	42.1	64.1	11.7	−19.0	9.3	41.1	2	11	4	1	18	40	1	0	20	5.2	6.0
Discovery-St.	44.2	65.5	16.1	−20.0	8.6	47.0	6	20	10	6	2	6	1	25		2.4	3.8

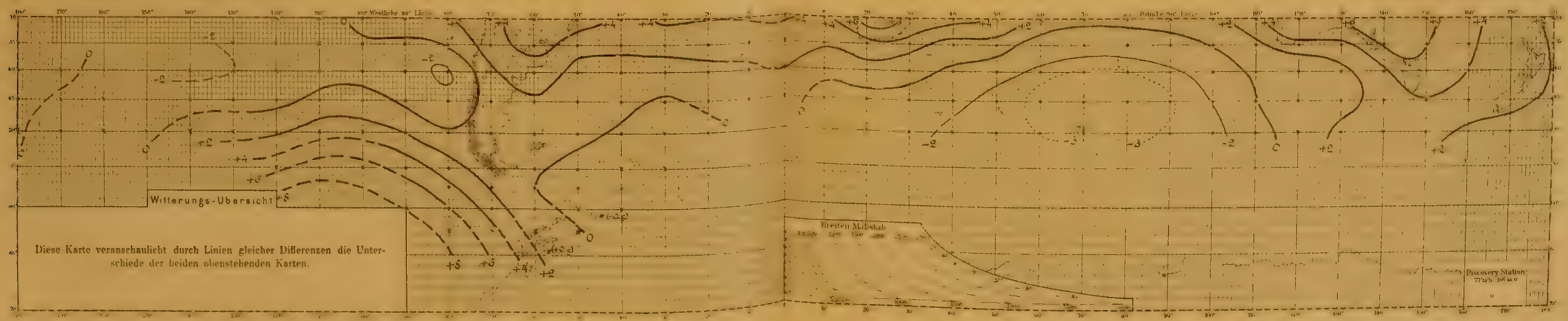
Nr. 44. Dezember—Februar (Mittel)

Nr. 44. Sommer (Mittel)

Nr. 45. Juni—August minus Dezember—Februar (Mittel)

Luftdruckdifferenzenkarte.

Nr. 45. Winter minus Sommer (Mittel)



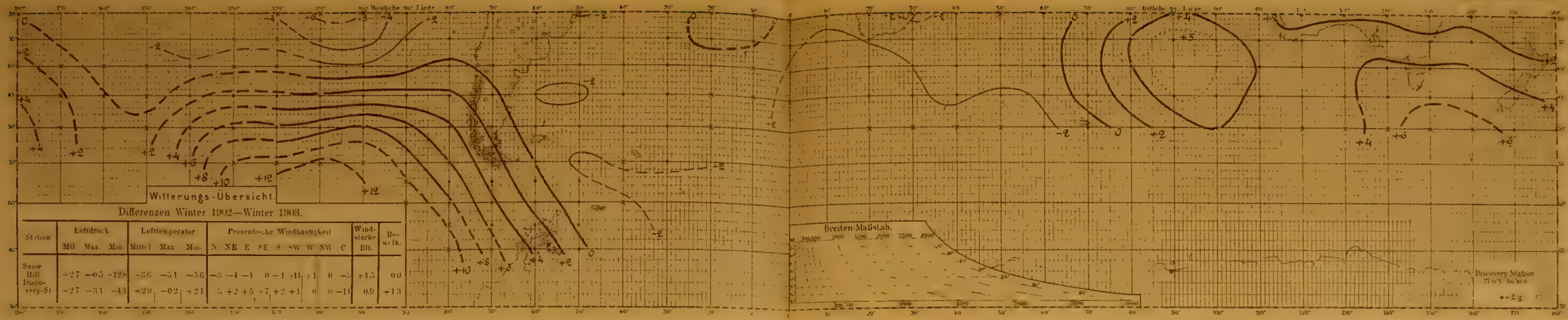
Tafel 16. *Nr. 46—48.*

Luftdruckdifferenzenkarten.

Nr. 46. Juni–August 1902 minus Juni–August 1903

Luftdruckdifferenzenkarte.

Nr. 46. Winter 1902 minus Winter 1903



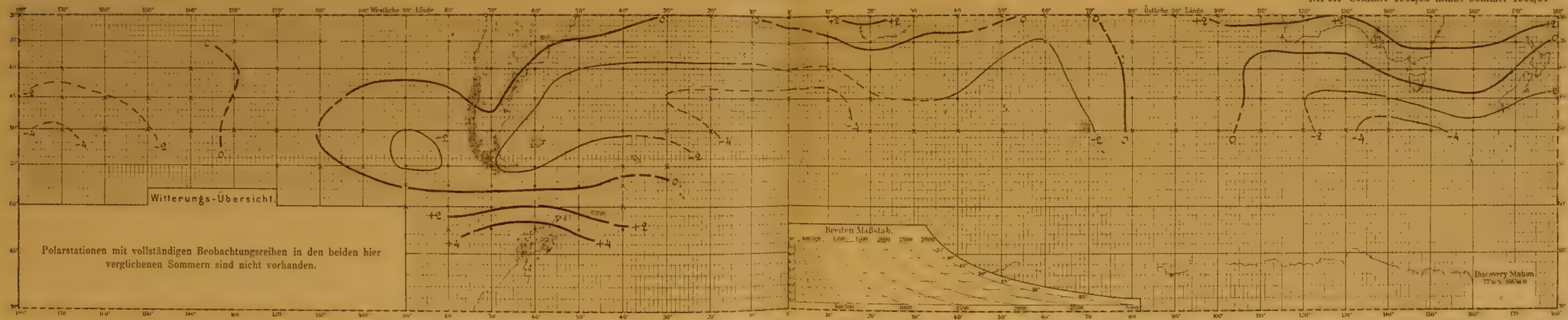
Differenzen Winter 1902—Winter 1903.

Station	Luftdruck Mit	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Snow Hill	+2·7	−0·5	−12·8	−3·6	−5·1	−5·6	−3	−4	−1	0	−1	+11	+1	0	−5	+1·5	0·0
Discovery-St	−2·7	−3·1	−4·3	+2·0	−0·2	+2·1	5	+2	+5	−7	+2	+1	0	0	−11	0·0	+1·3

Nr. 47. Dezember 1902—Februar 1903 minus Dezember 1903—Februar 1904

Luftdruckdifferenzenkarte.

Nr. 47. Sommer 1902/03 minus Sommer 1903/04

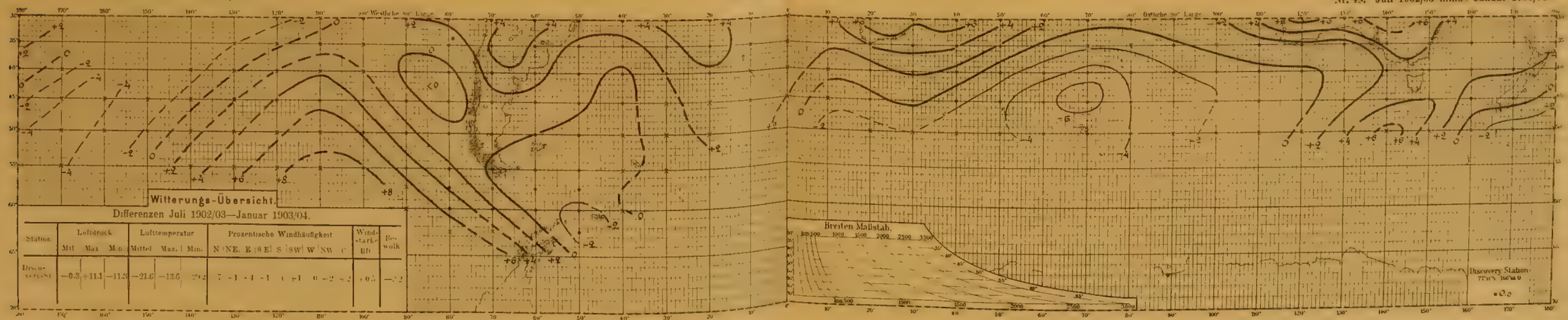


Polarstationen mit vollständigen Beobachtungsreihen in den beiden hier verglichenen Sommern sind nicht vorhanden.

Nr. 48. Juli 1902/03 minus Januar 1903/04

Luftdruckdifferenzenkarte.

Nr. 48. Juli 1902/03 minus Januar 1903/04



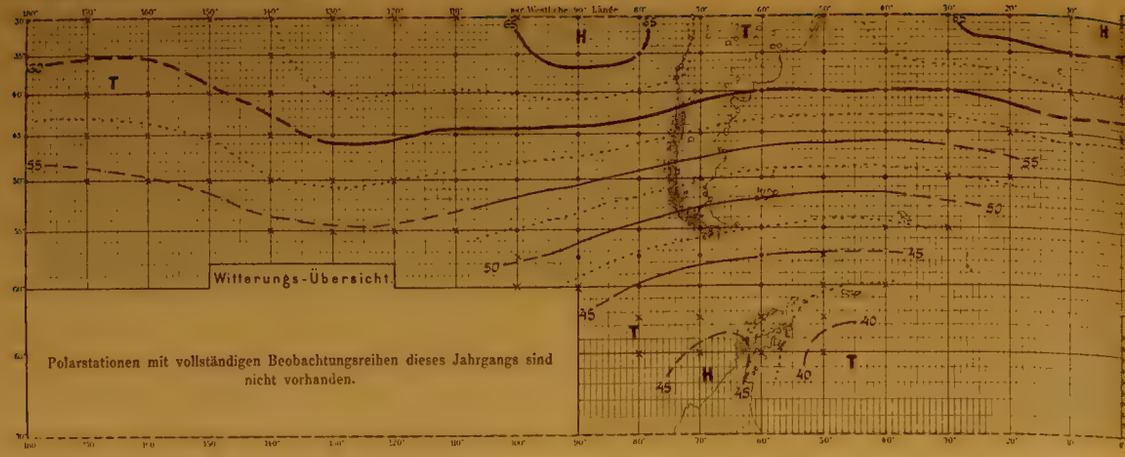
Differenzen Juli 1902/03—Januar 1903/04.

Station	Luftdruck Mit	Max.	Min.	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Discovery-St	−0·8	+11·1	−11·3	−21·6	−13·6	−29·2	7	−1	−4	−1	0	+1	0	−2	−2	+0·5	−0·2

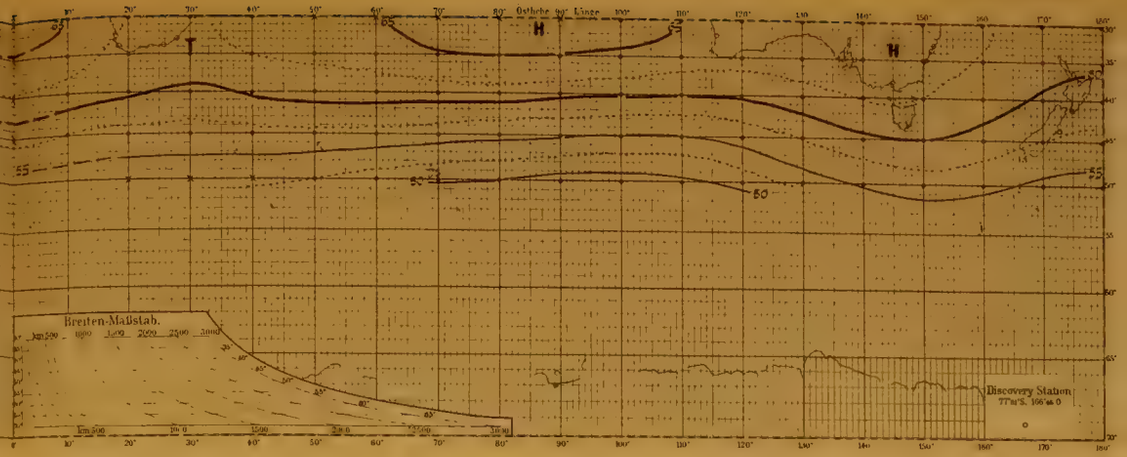
Tafel 17. *Nr. 49—51.*

Jahr 1902, 1903, Mittel.

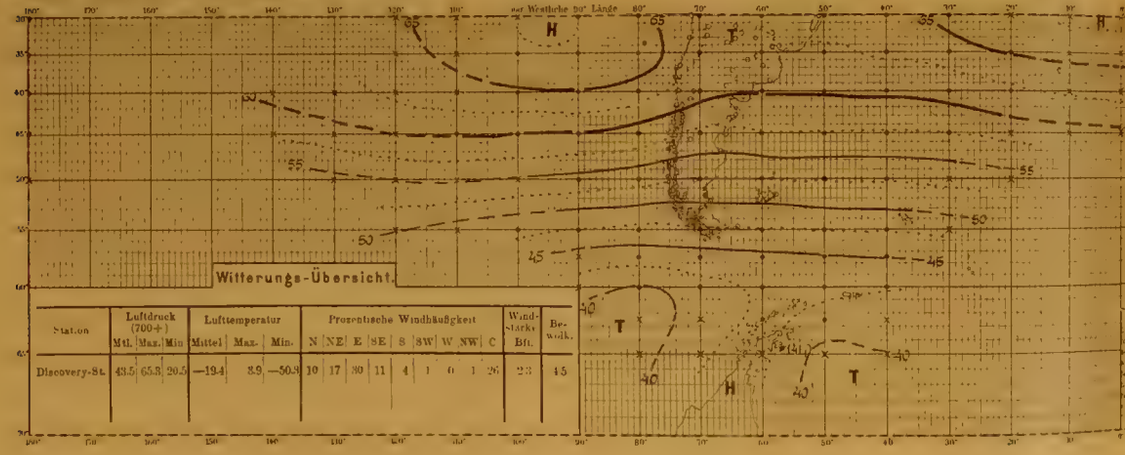
Nr. 49. Dezember 1901—November 1902



Nr. 49. Jahr 1902

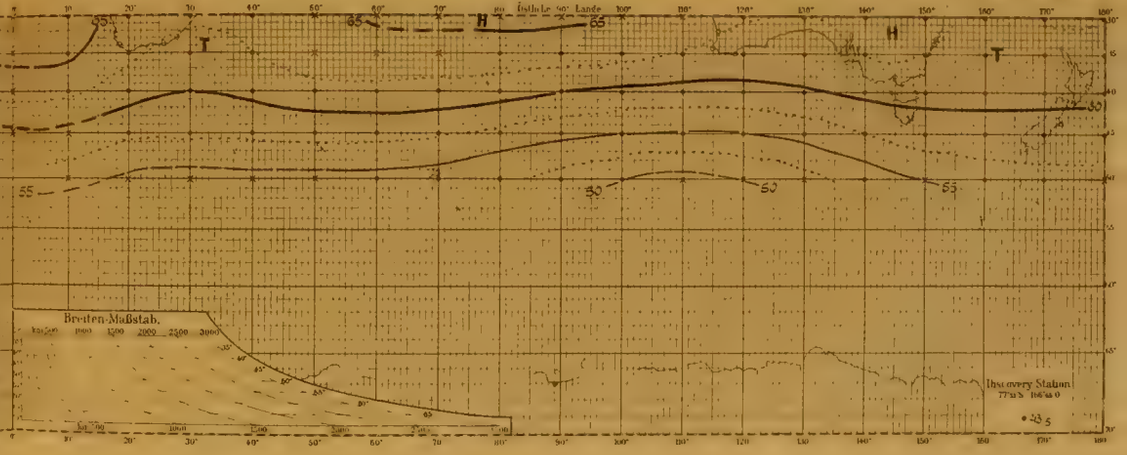


Nr. 50. Dezember 1902—November 1903



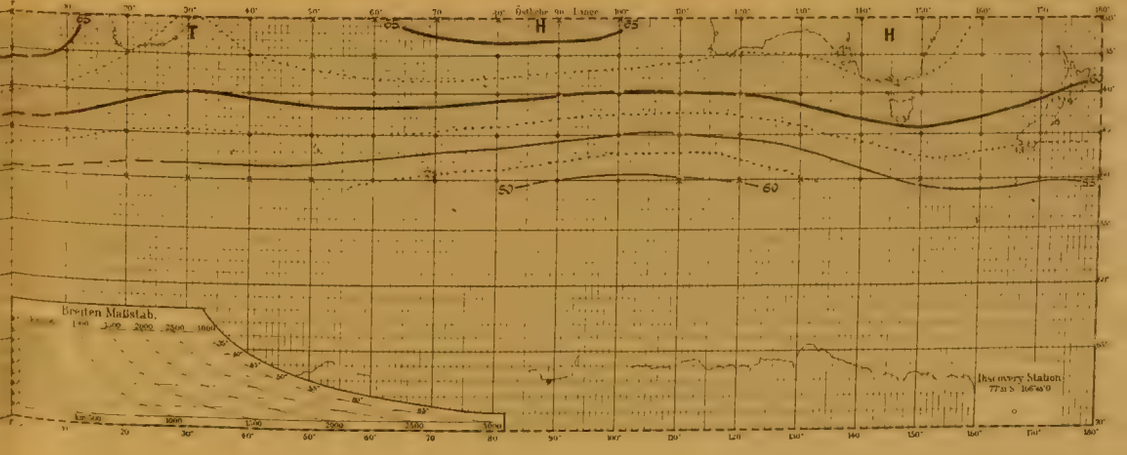
Station	Luftdruck (700+) Mtl.	Max.	Min	Lufttemperatur Mittel	Max.	Min.	Prozentische Windhäufigkeit N	NE	E	SE	S	SW	W	NW	C	Windstärke Bft.	Bewölk.
Discovery-St.	43.5	65.3	20.5	—19.4	8.9	—50.3	10	17	30	11	4	1	0	1	26	2.3	4.5

Nr. 50. Jahr 1903



Nr. 51. Dezember 1901—November 1903

Nr. 51. Jahr (Mittel)



DEUTSCHE SÜDPOLAR-EXPEDITION

1901—1903

IM AUFTRAGE DES REICHSAMTES DES INNERN

HERAUSGEGEBEN VON

ERICH VON DRYGALSKI

LEITER DER EXPEDITION

I. ATLAS
METEOROLOGIE

HEFT II

W. MEINARDUS UND L. MECKING: TÄGLICHE SYNOPTISCHE WETTERKARTEN DER HÖHEREN SÜDLICHEN BREITEN VOM 1. OKTOBER 1901 BIS 2. AUGUST 1902 (TAFEL 18—119 MIT 306 KARTEN).

BERLIN

DRUCK UND VERLAG VON GEORG REIMER

1915.

(AUSGEGEBEN IM JULI 1915.)

DEUTSCHE SÜDPOLAR-EXPEDITION.

Das Werk wird aus 16—17 Bänden Text mit ca. 1400 Textabbildungen, 60 Karten, vielen einfarbigen und mehrfarbigen Tafeln und einem Atlas von 2 Bänden bestehen. Die Gliederung des Textes ist wie folgt vorgesehen:

Band I: Technik und Geographie.
„ II: Geographie und Geologie.
„ III: } Meteorologie.
„ IV: }

Band V: } Erdmagnetismus.
„ VI: }
„ VII: Bakteriologie, Chemie, Hygiene, Sport.
„ VIII: Botanik.
„ IX ff.: Zoologie.

Die Bände des Atlas enthalten erdmagnetische und meteorologische Registrierungen und synoptische Wetterkarten. Ausgleiche und Verschiebungen in dem obigen Rahmen können erfolgen, doch der Plan des Ganzen dürfte feststehend sein.

Die Erfüllung des obigen Planes durch die Ausarbeitung der Messungen und Sammlungen, sowie durch die Veröffentlichung der Ergebnisse liegt in den Händen der Mitglieder der Expedition und die einheitliche Redaktion des Ganzen bei Prof. Dr. von Drygalski. Der Arbeitsteilung während der Expedition entsprechend werden die geographischen Abschnitte von Prof. Dr. von Drygalski, die geologischen von Prof. Dr. E. Philippi†, die erdmagnetischen von Prof. Dr. Fr. Bidlingmaier† und Dr. K. Luyken, die bakteriologischen, hygienischen und sportlichen von Dr. H. Gazert, die zoologischen von Prof. Dr. E. Vanhöffen, die botanischen von Dr. E. Werth besorgt, während die Ausarbeitung der meteorologischen Ergebnisse an Stelle des auf Kerguelen verstorbenen Mitgliedes J. Enzensperger von Prof. Dr. W. Meinardus übernommen worden ist. Für den technischen Teil des ersten Bandes gelang es in dem Obermaschinisten der Expedition, A. Stehr†, die geeignete Kraft zu gewinnen, welcher sich darin auch der Beschreibung und Würdigung des vortrefflich bewährten Schiffes „Gauss“ unterzogen hat.

Bei Subskription auf das ganze Werk tritt ermäßigter Preis ein; einzelne Teile werden, soweit es der Vorrat gestattet, zu erhöhten Preisen abgegeben.

Bis jetzt erschienen folgende Hefte:

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1. Hälfte Heft 1: **Meinardus, W., Meteorologische Ergebnisse der Winterstation des „Gauss“ 1902—1903.** Mit Tafel I—XIII und 3 Abbildungen im Text. Preis Mark 22.—. Bei Subskription auf das ganze Werk Mark 18.—

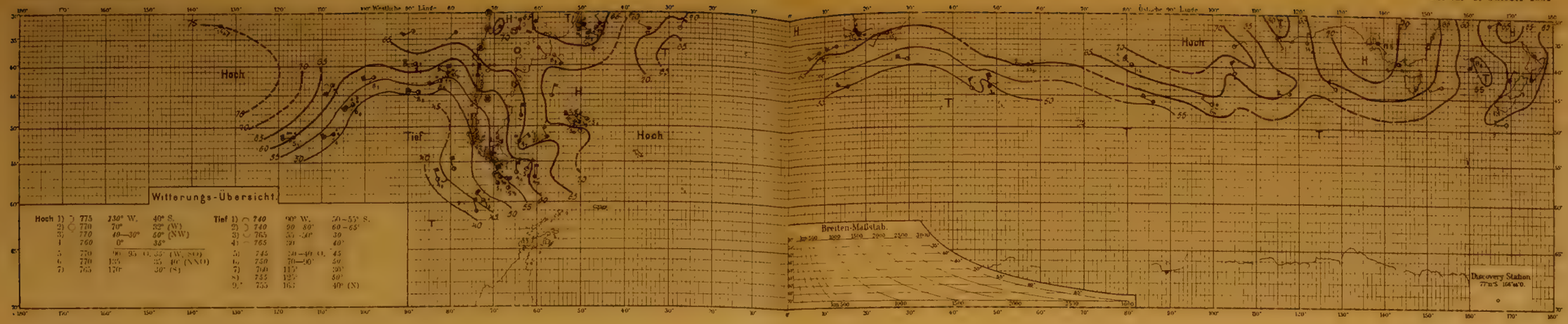
Heft 2: **Meinardus, W., Meteorologische Ergebnisse der Winterstation des „Gauss“ 1902—1903.** (Fortsetzung). Mit Tafel XIV—XVI und 2 Abbildungen im Text. Preis Mark 26.—. Bei Subskription auf das ganze Werk Mark 21.50

2. Hälfte Heft 1: **Meinardus, W., und L. Mecking, Das Beobachtungsmaterial der internationalen meteorologischen Kooperation und seine Verwertung nebst Erläuterungen zum meteorologischen Atlas. — Mecking, L., Die Luftdruckverhältnisse und ihre klimatischen Folgen in der atlantisch-pazifischen Zone südlich von 30° S. Br.** Preis Mark 15.—. Bei Subskription auf das ganze Werk Mark 12.50

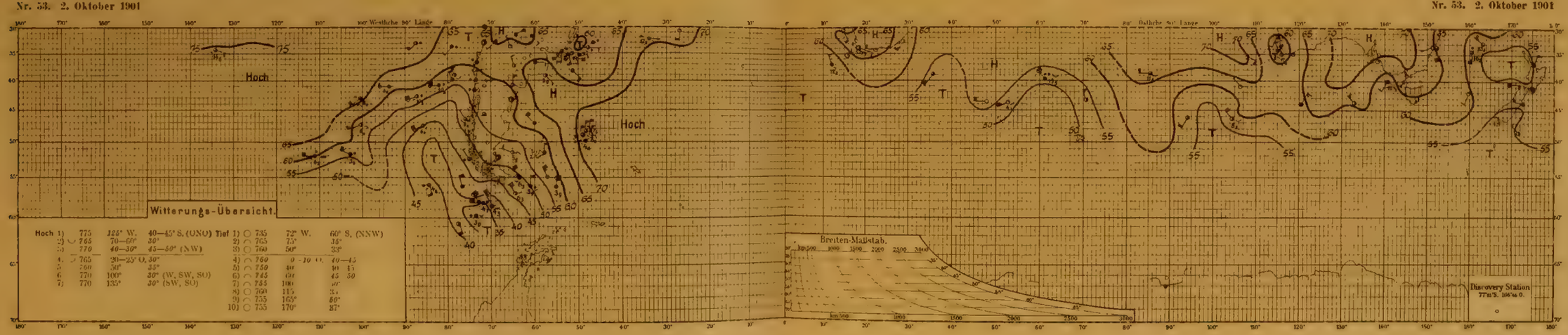
Tafel 18. Nr. 52—54.

1.—3. Oktober 1901.

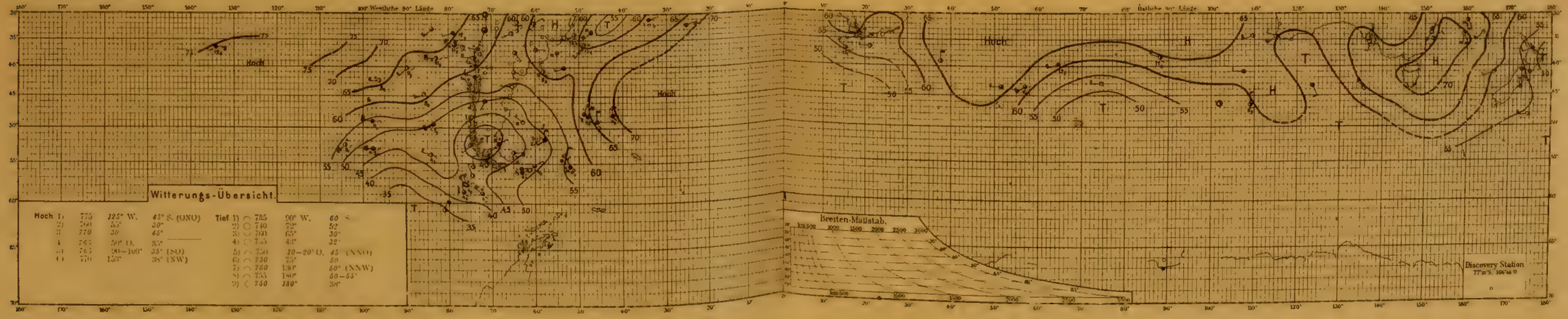
Nr. 52. 1. Oktober 1901



Nr. 53. 2. Oktober 1901



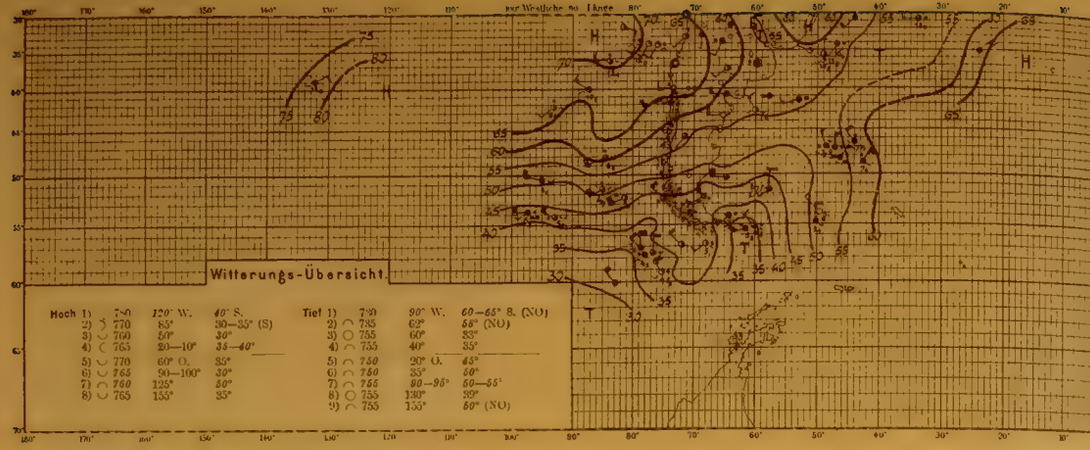
Nr. 54. 3. Oktober 1901

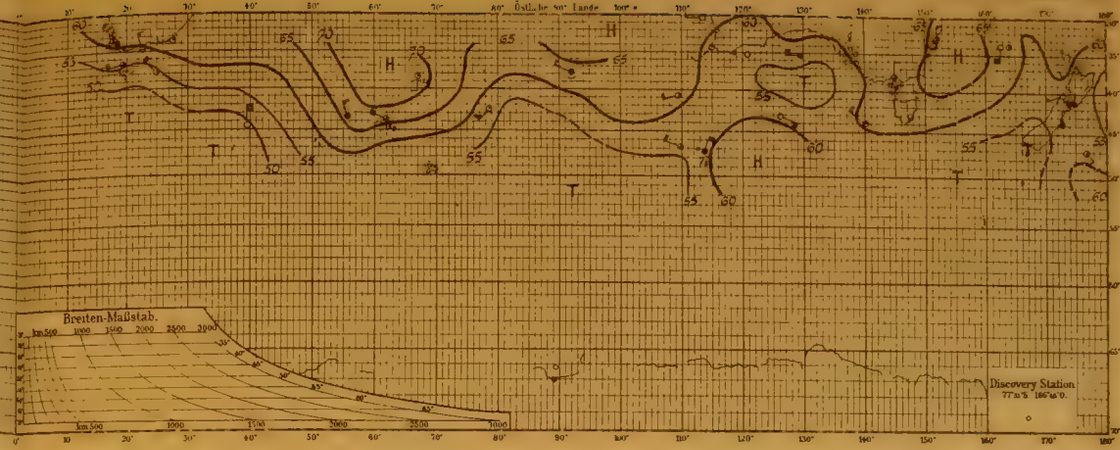


Tafel 19. Nr. 55—57.

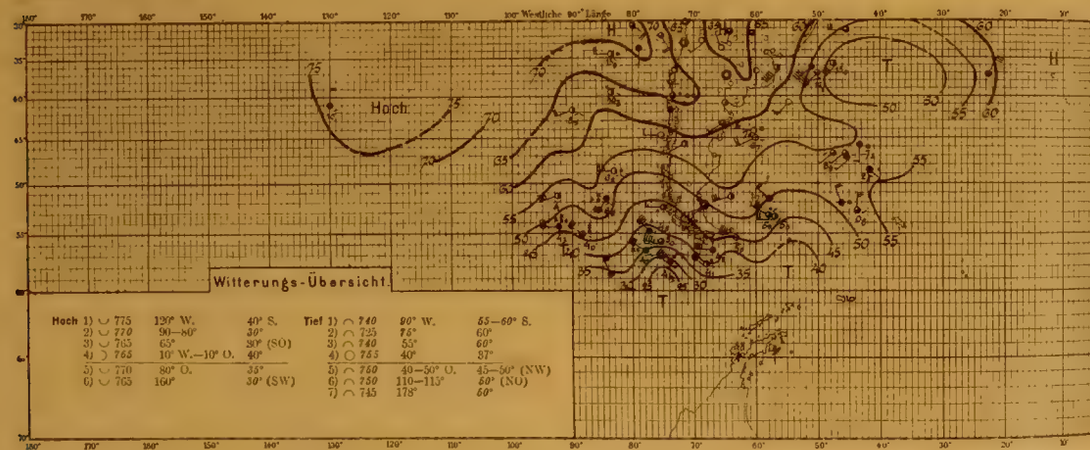
4.—6. Oktober 1901.

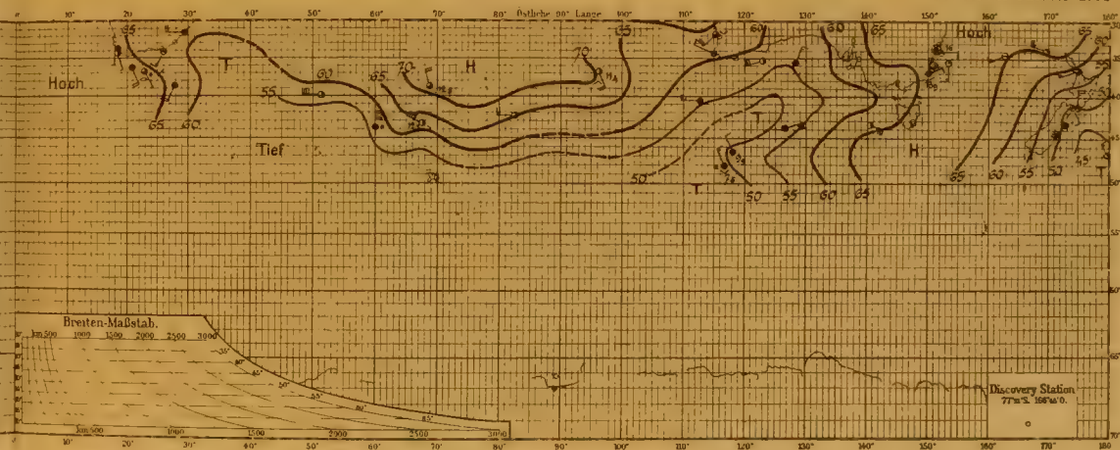
Nr. 55. 4. Oktober 1901



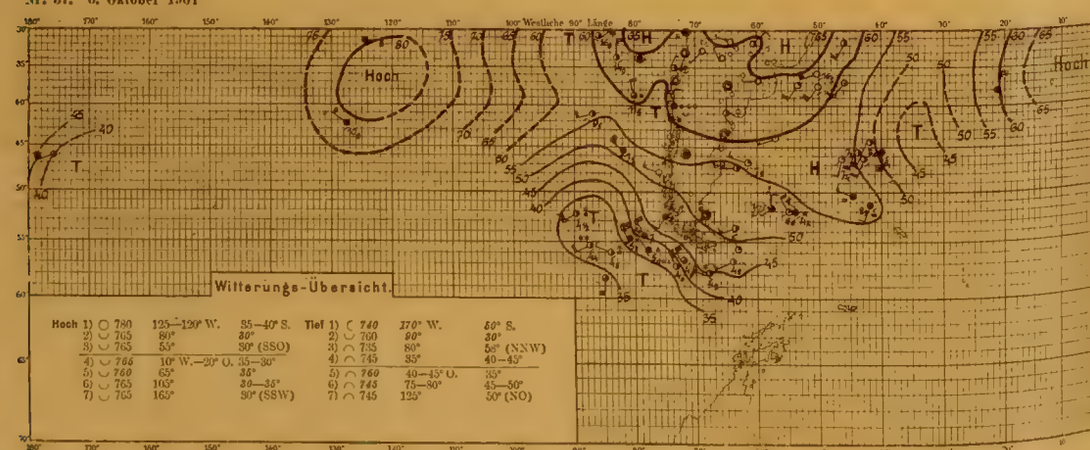


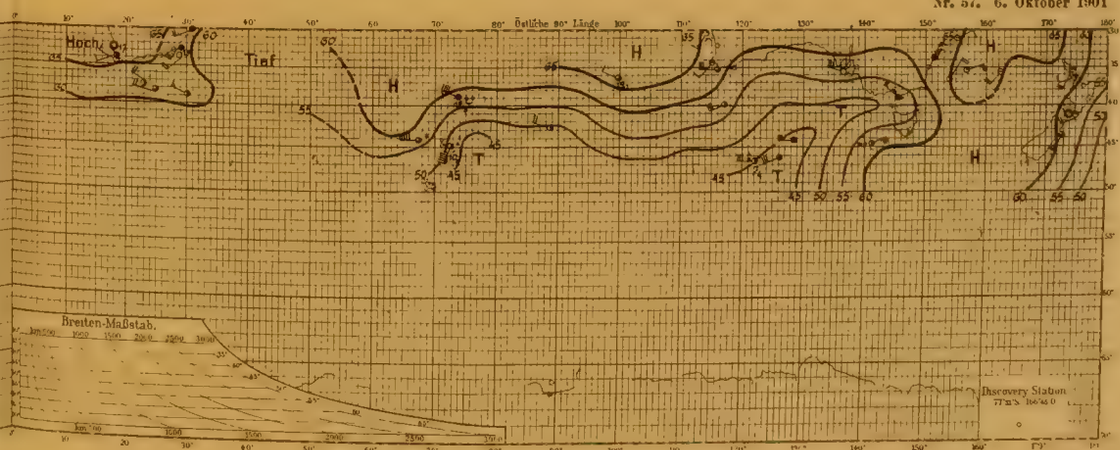
Nr. 56. 5. Oktober 1901



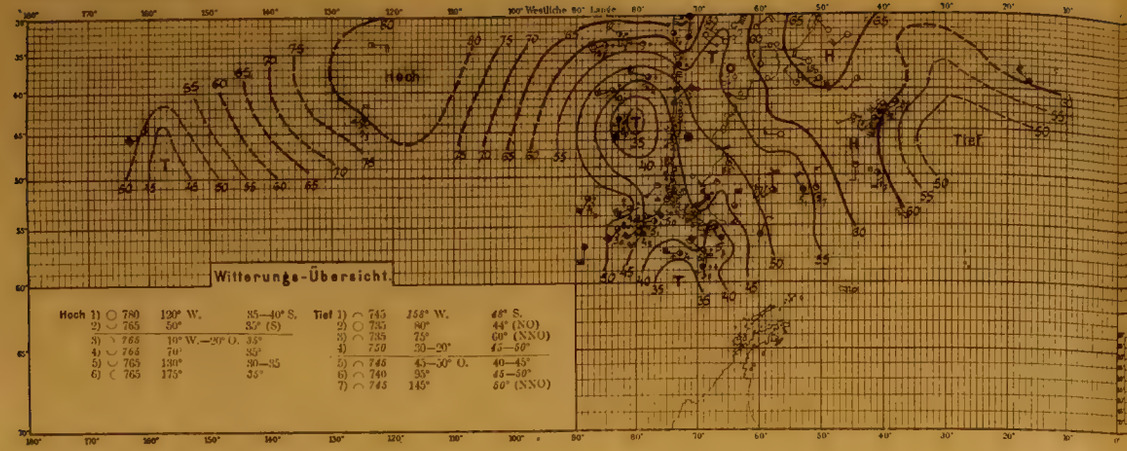


Nr. 57. 6. Oktober 1901

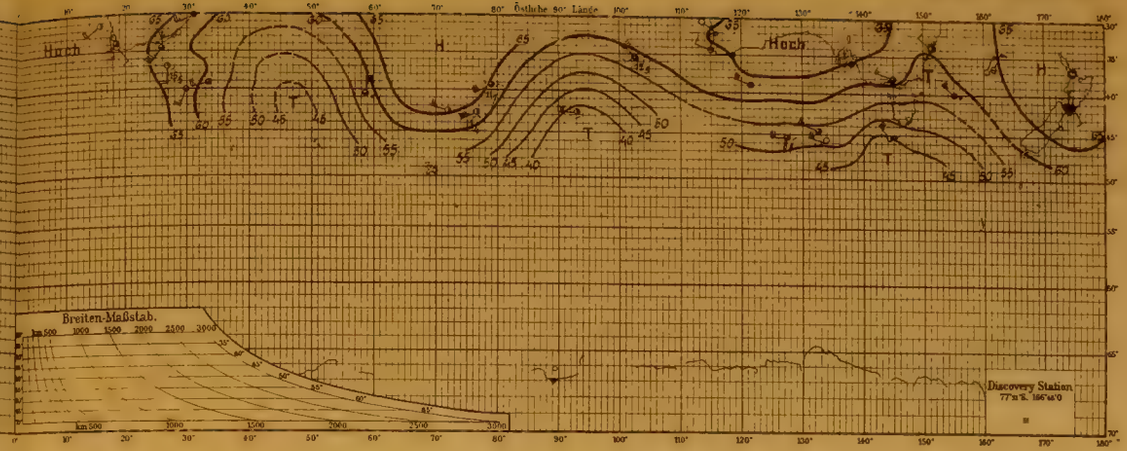




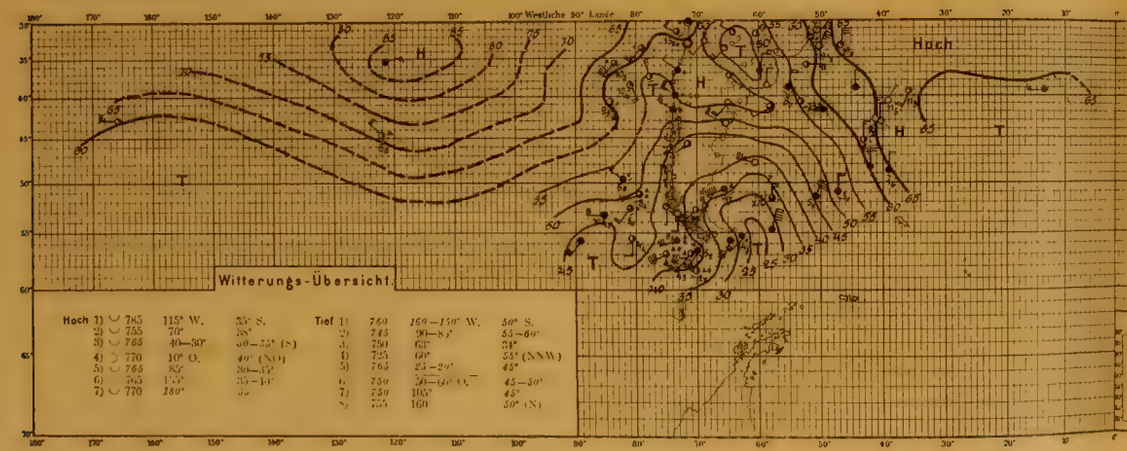
Nr. 58. 7. Oktober 1901



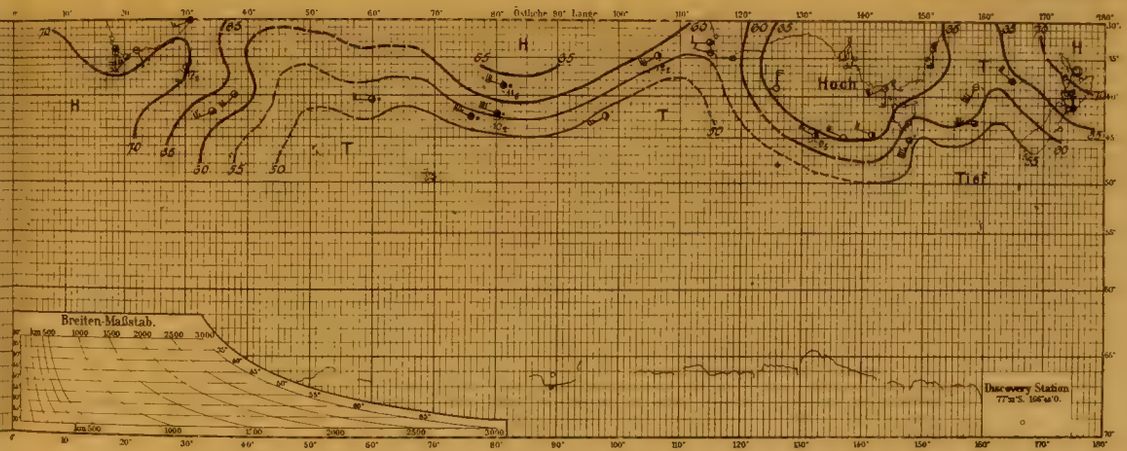
Nr. 58. 7. Oktober 1901



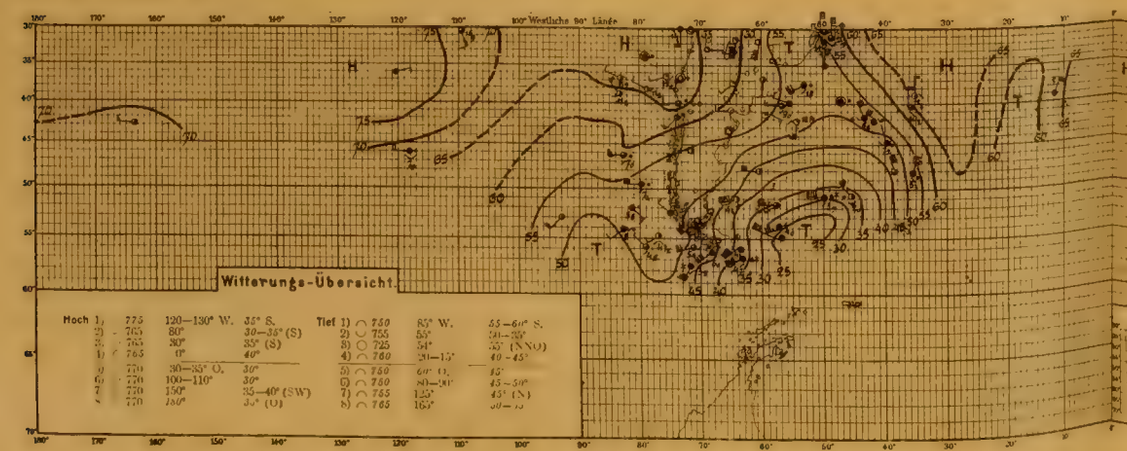
Nr. 59. 8. Oktober 1901



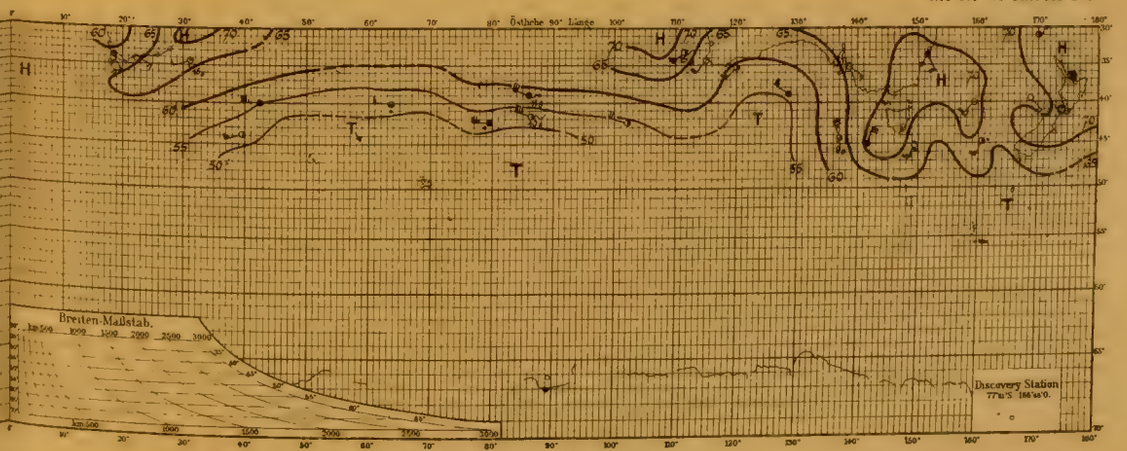
Nr. 59. 8. Oktober 1901



Nr. 60. 9. Oktober 1901



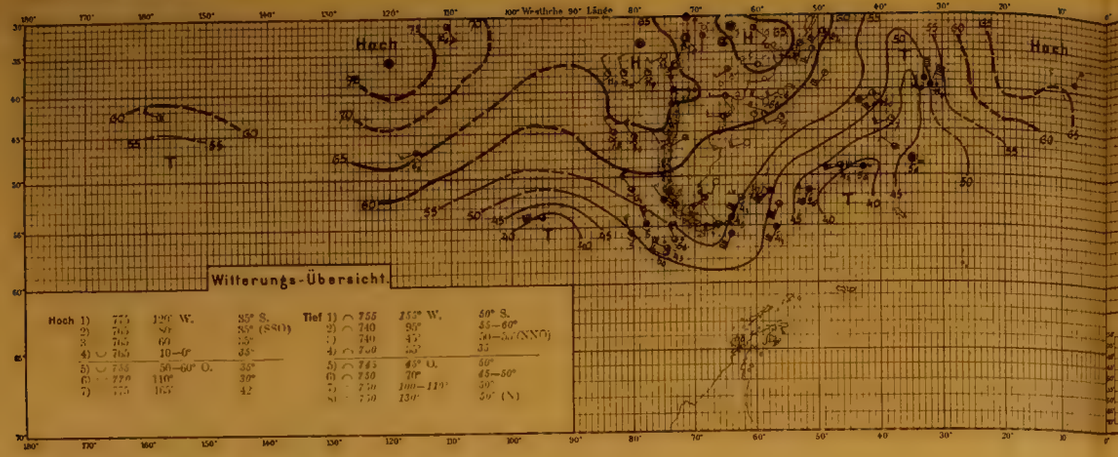
Nr. 60. 9. Oktober 1901

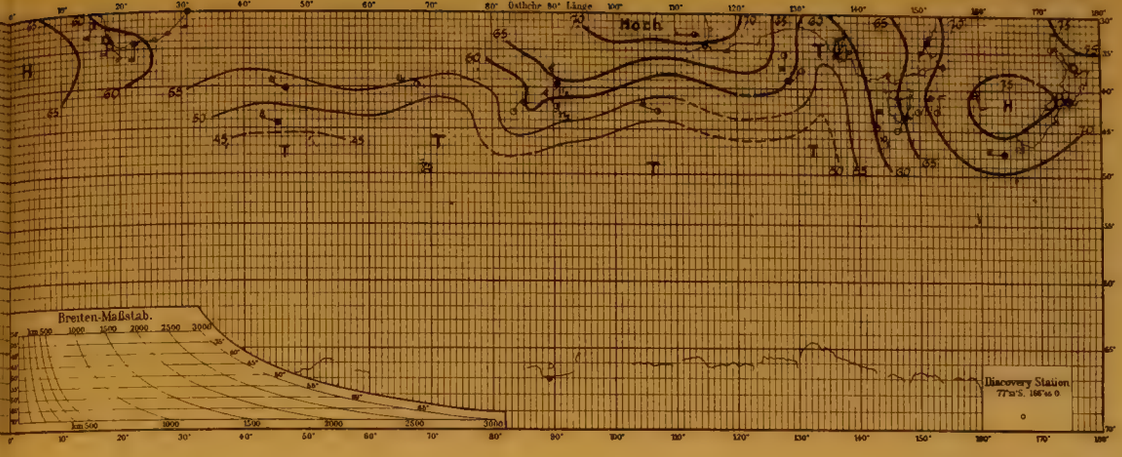


Tafel 21. *Nr. 61—63.*

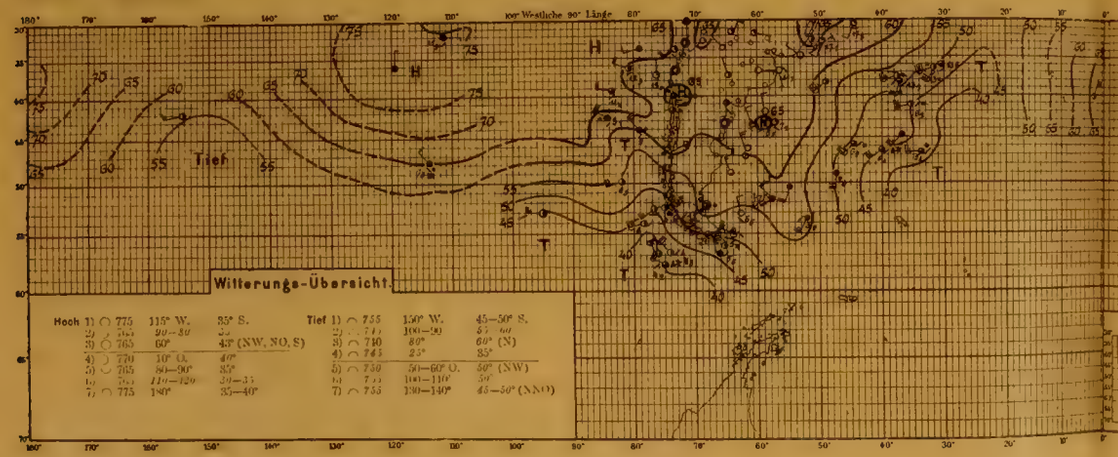
10.—12. Oktober 1901.

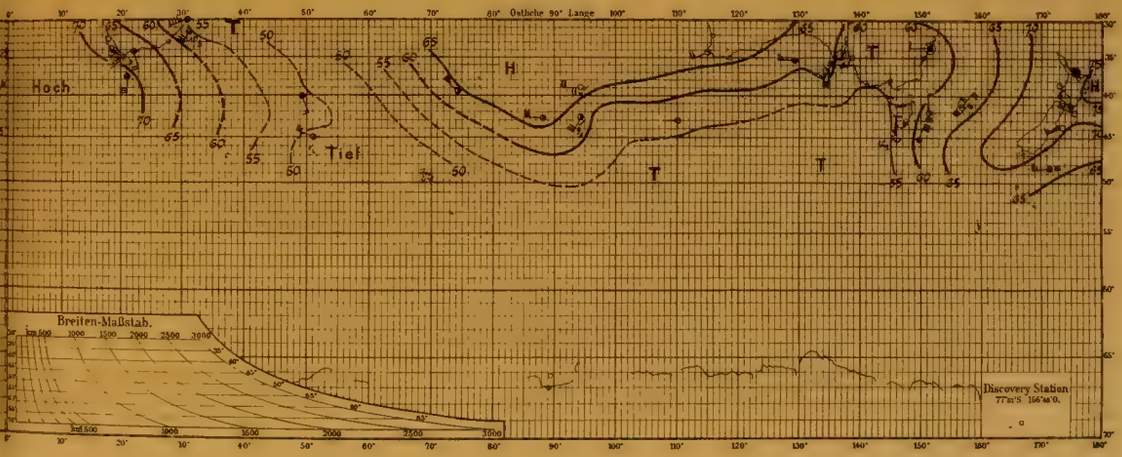
Nr. 61. 10. Oktober 1901



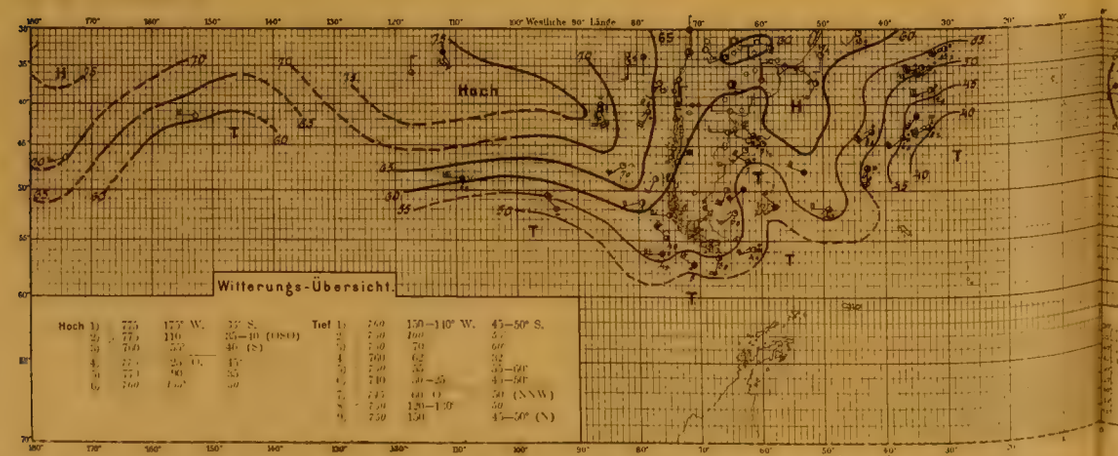


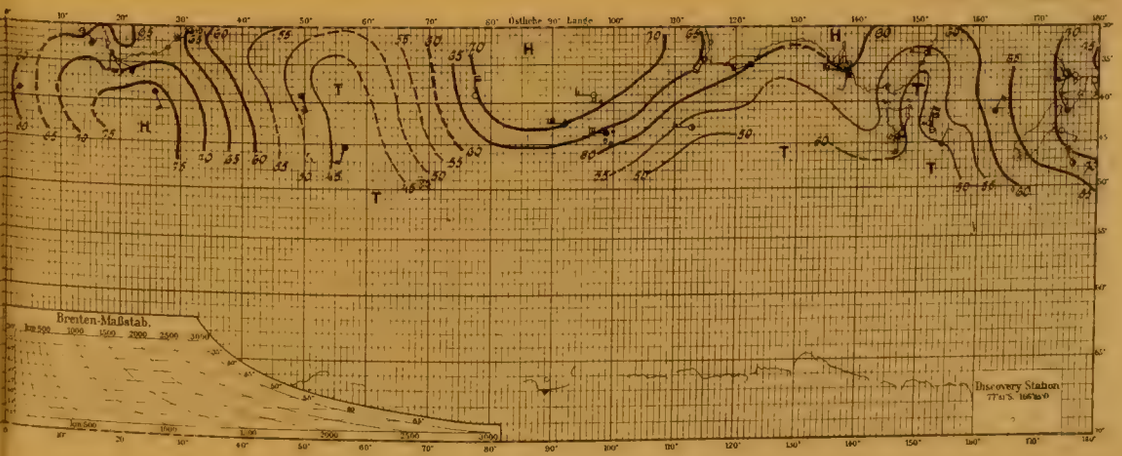
Nr. 62. 11. Oktober 1901





Nr. 63. 12. Oktober 1901



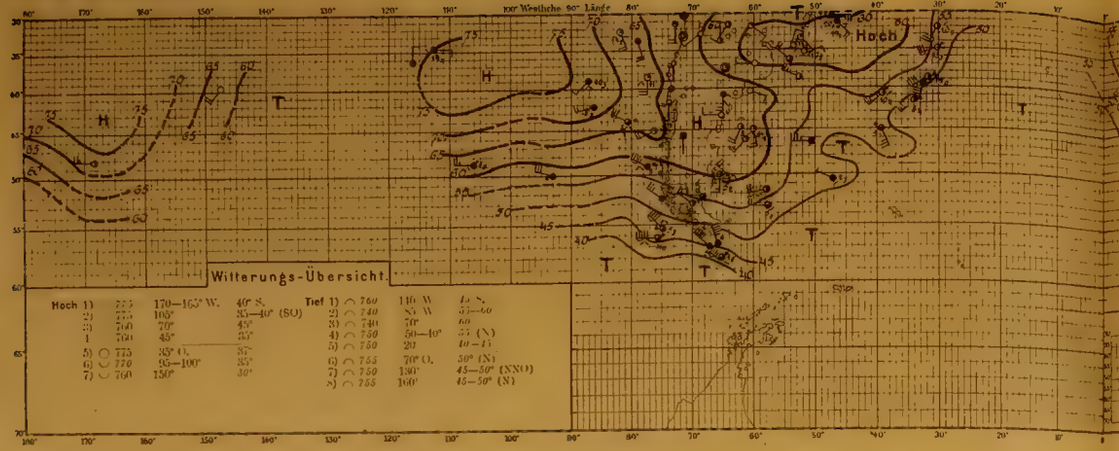


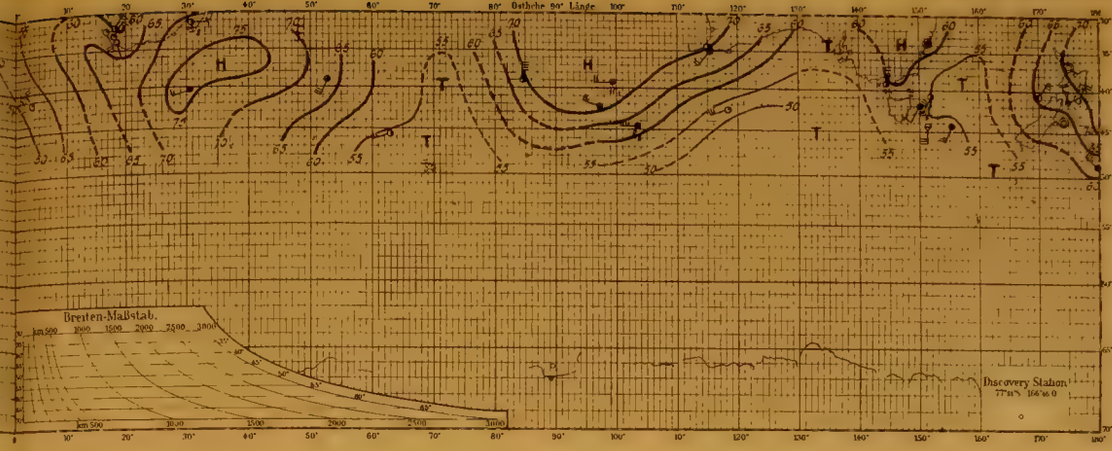
Tafel 22. *Nr. 64—66.*

13.—15. Oktober 1901.

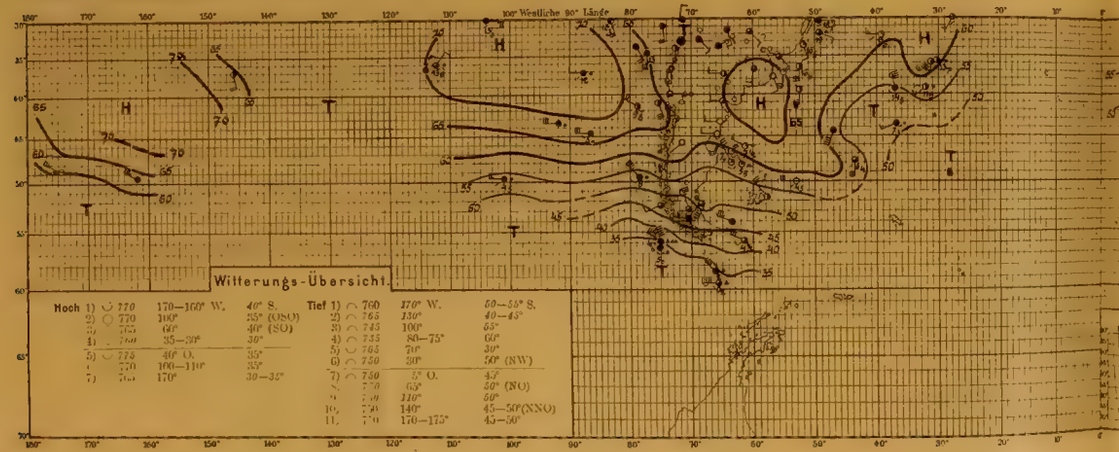
MARINE BIOLOGICAL LABORATORY
WOODS HOLE
LIBRARY
MASS.

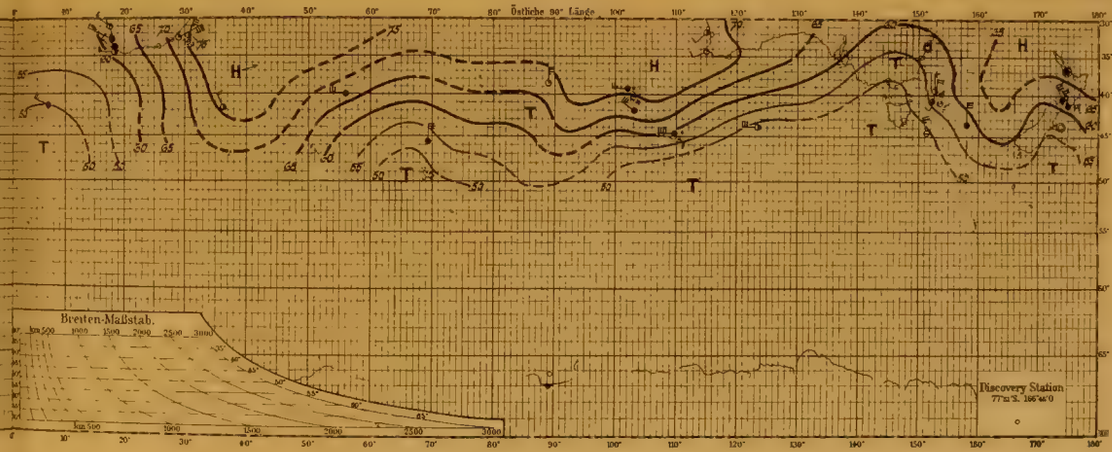
Nr. 64. 13. Oktober 1901



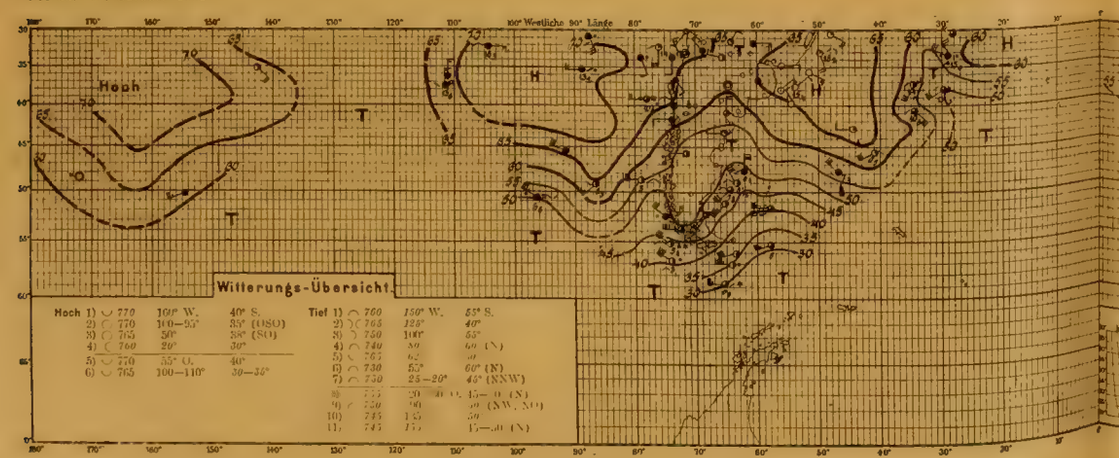


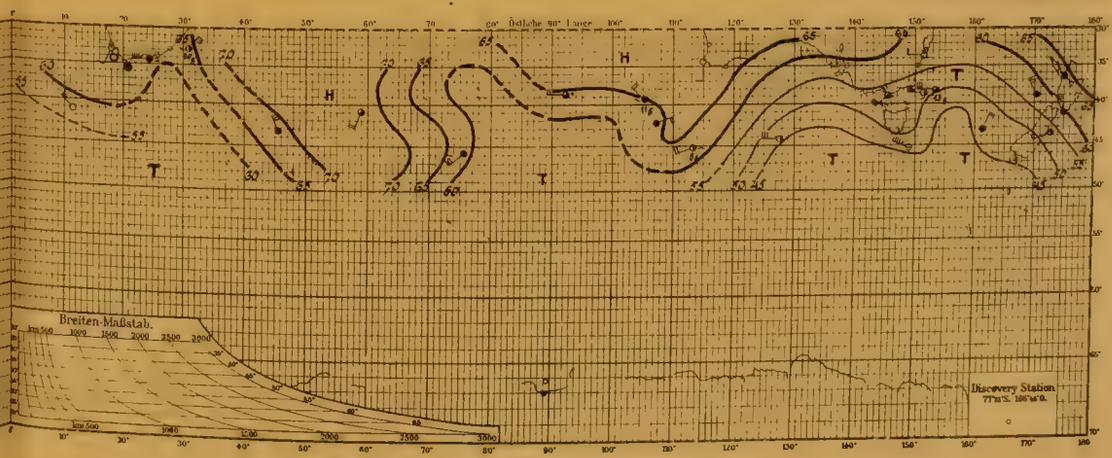
Nr. 65. 14. Oktober 1901





Nr. 66. 15. Oktober 1901



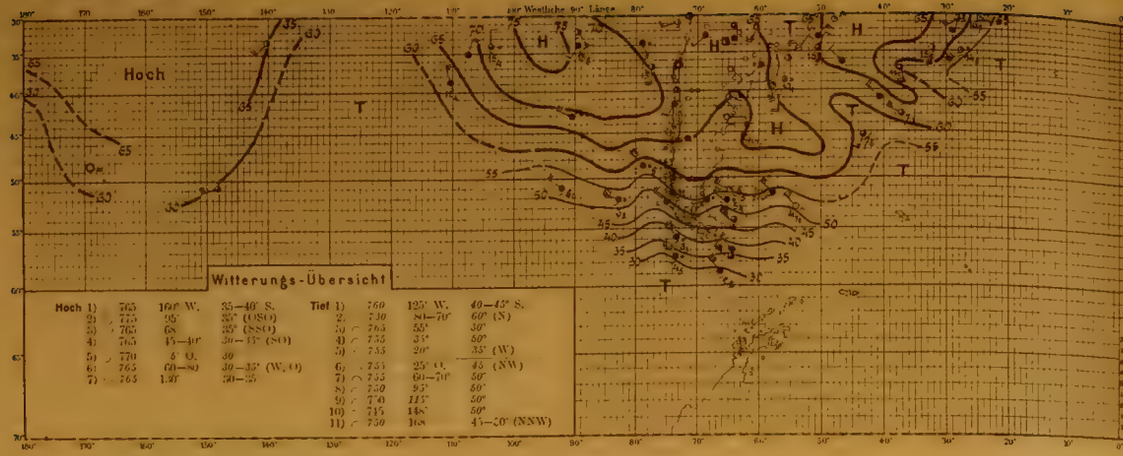


Tafel 23. Nr. 67—69.

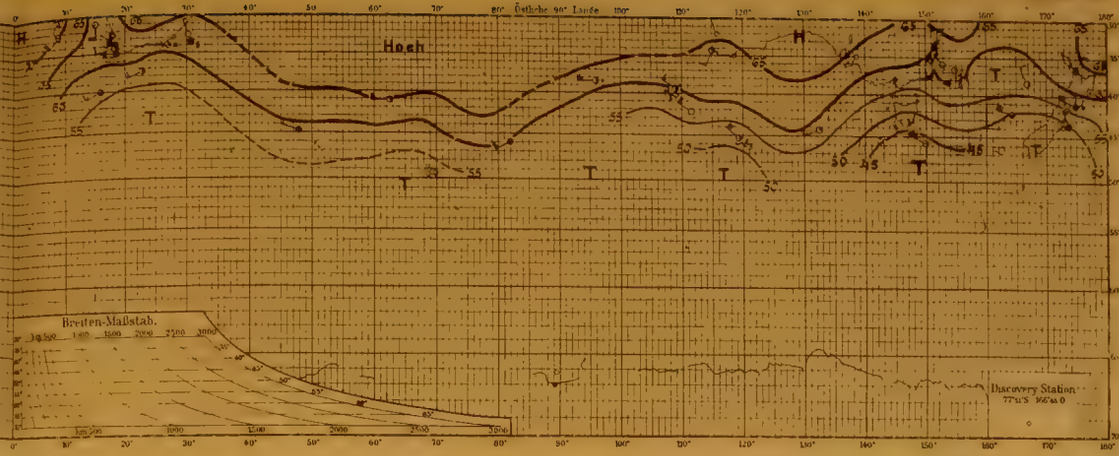
16.—18. Oktober 1901.

MARINE BIOLOGICAL LIBRARY

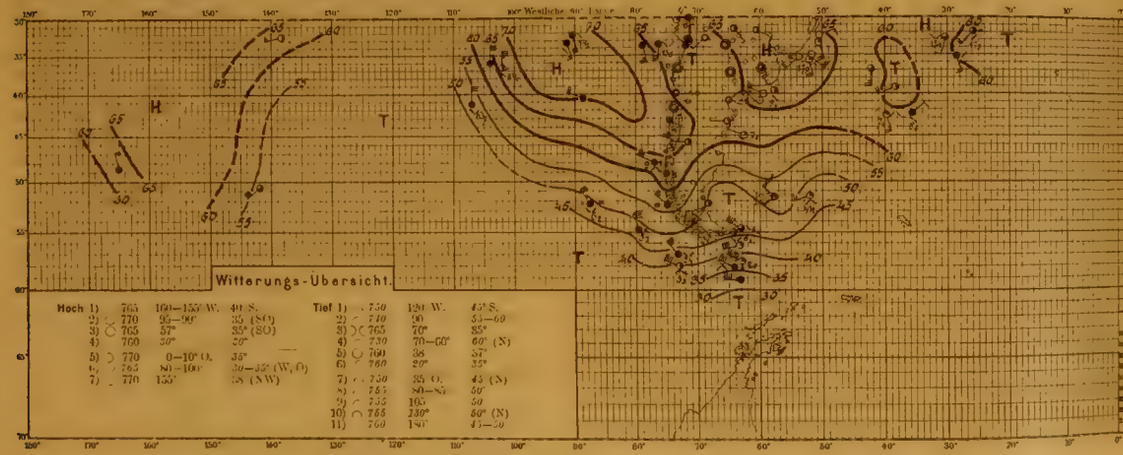
Nr. 67. 16. Oktober 1901



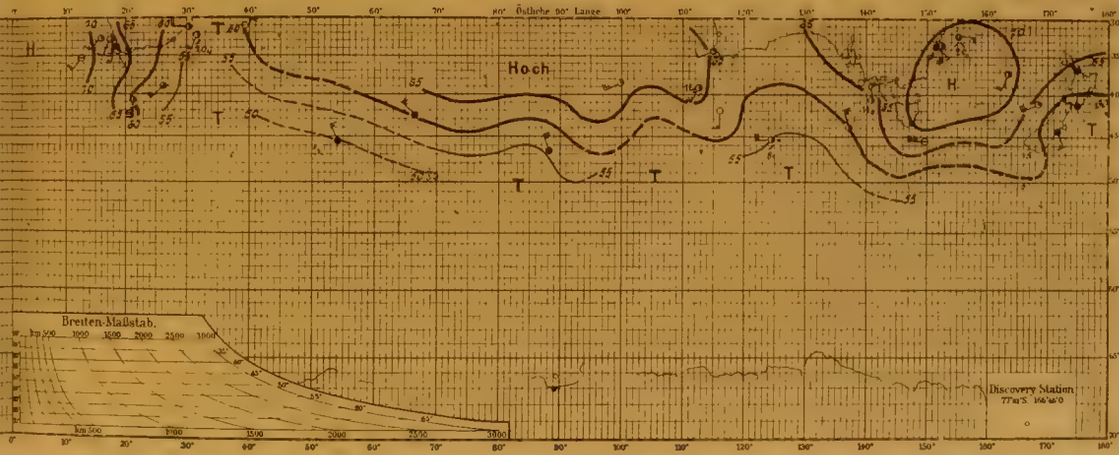
Hoch 1)	765	160° W.	35—40° S.	Tief 1)	760	125° W.	40—45° S.
2)	775	95°	35° (OSO)	2)	730	80—70°	60° (S)
3)	765	68	35° (SSO)	3)	765	55°	50°
4)	765	45—40°	30—35° (SO)	4)	735	30°	50°
5)	770	8° O.	30	5)	755	20°	35° (W)
6)	765	60—80	30—35° (W, O)	6)	755	25° O.	45 (NW)
7)	765	120	30—35	7)	735	60—70°	50°
				8)	750	95°	50°
				9)	740	115°	50°
				10)	745	148°	50°
				11)	750	168	45—50° (NNW)



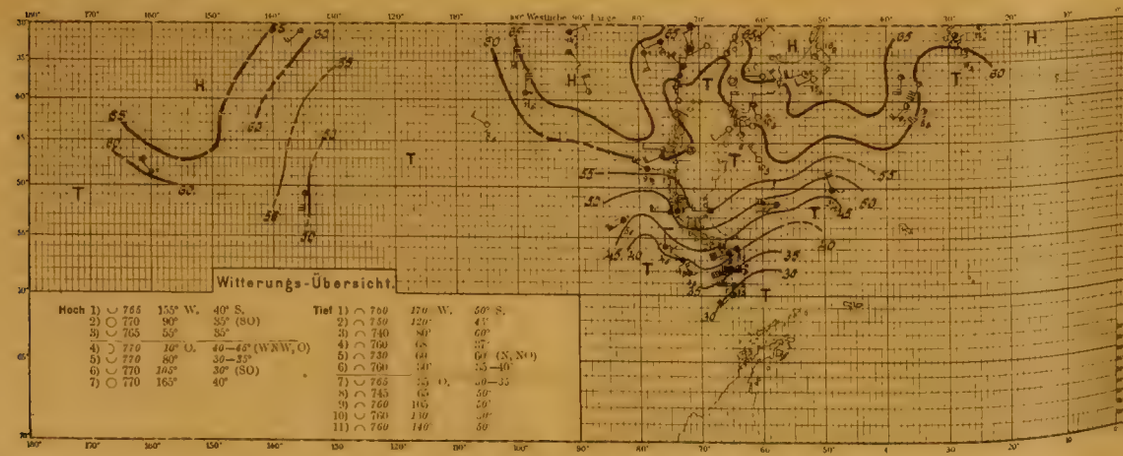
Nr. 68. 17. Oktober 1901



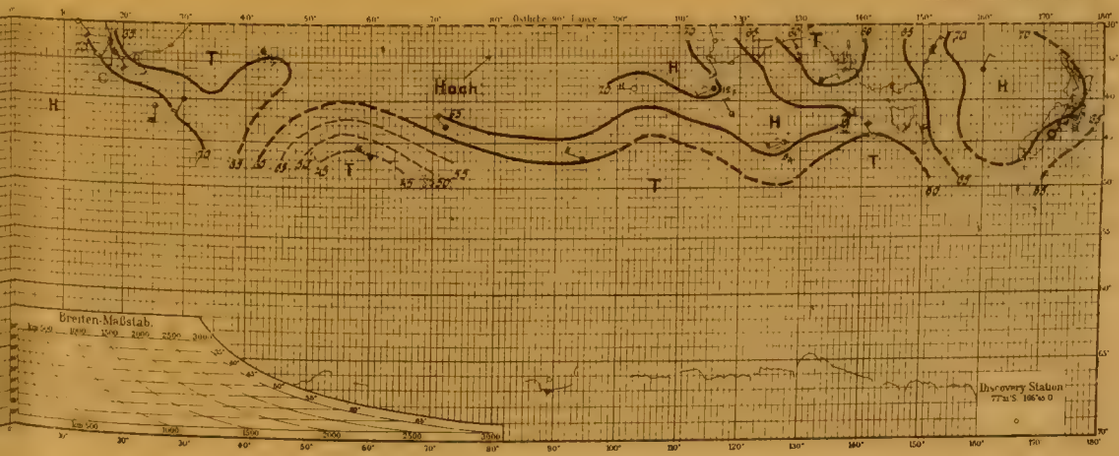
Hoch 1)	765	160—155° W.	40° S.	Tief 1)	750	120° W.	45° S.
2)	770	95—90°	35 (SO)	2)	740	90	55—60
3)	765	57°	35° (SO)	3)	765	70°	55°
4)	760	30°	30°	4)	730	70—60°	60° (N)
5)	770	0—10° O.	35°	5)	760	38	55°
6)	765	80—100°	30—35° (W, O)	6)	760	20°	35°
7)	770	155°	38 (NW)	7)	750	35 O.	45 (N)
				8)	755	80—85	50°
				9)	735	105	50
				10)	765	130°	50° (N)
				11)	760	150°	45—50



Nr. 69. 18. Oktober 1901



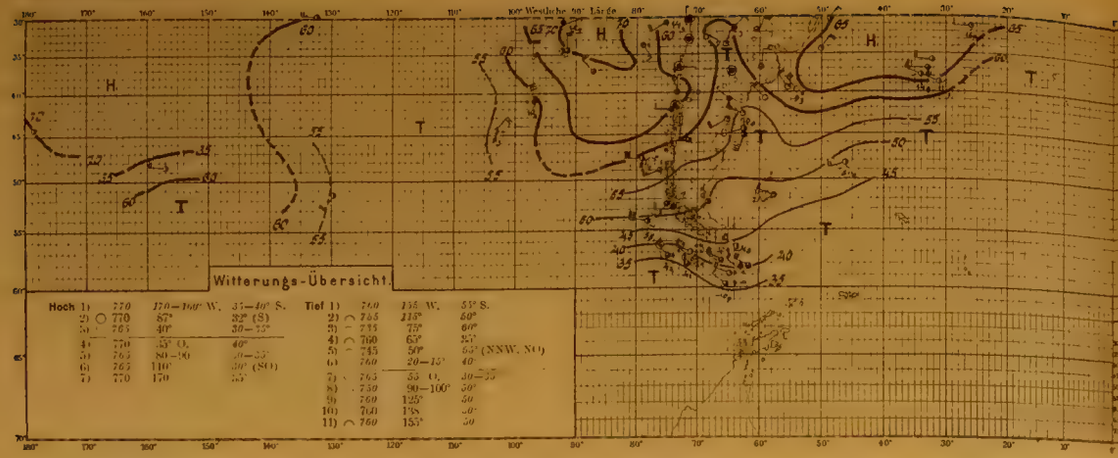
Hoch 1)	765	155° W.	40° S.	Tief 1)	760	170° W.	50° S.
2)	770	90°	35° (SO)	2)	750	120°	45
3)	765	55°	35°	3)	740	80°	60°
4)	770	10° O.	40—45° (WNW, O)	4)	760	68	55°
5)	770	80°	30—35°	5)	730	60	60° (S, NO)
6)	770	105°	30° (SO)	6)	760	30°	35—40°
7)	770	165°	40°	7)	765	35 O.	30—35
				8)	745	65	50°
				9)	760	105	50°
				10)	760	130	50°
				11)	760	140	50

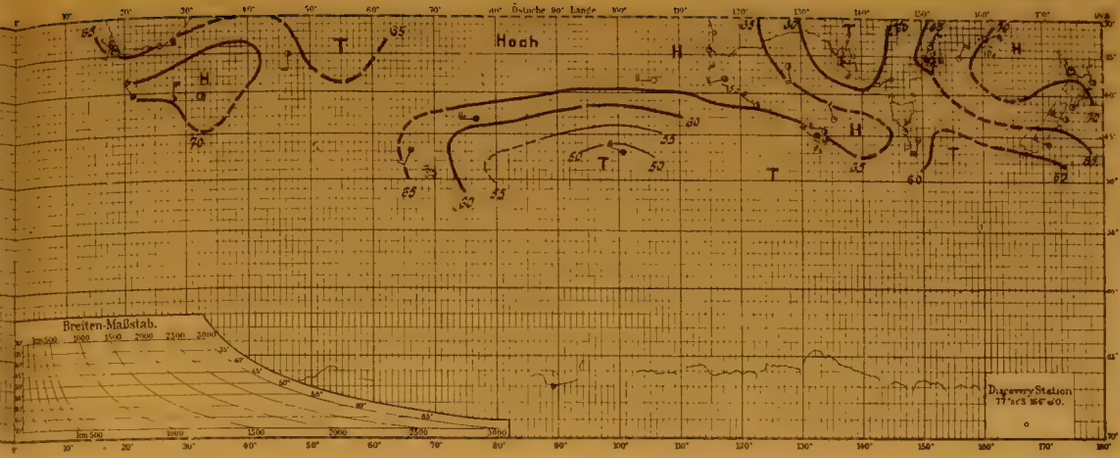


Tafel 24. Nr. 70—72.

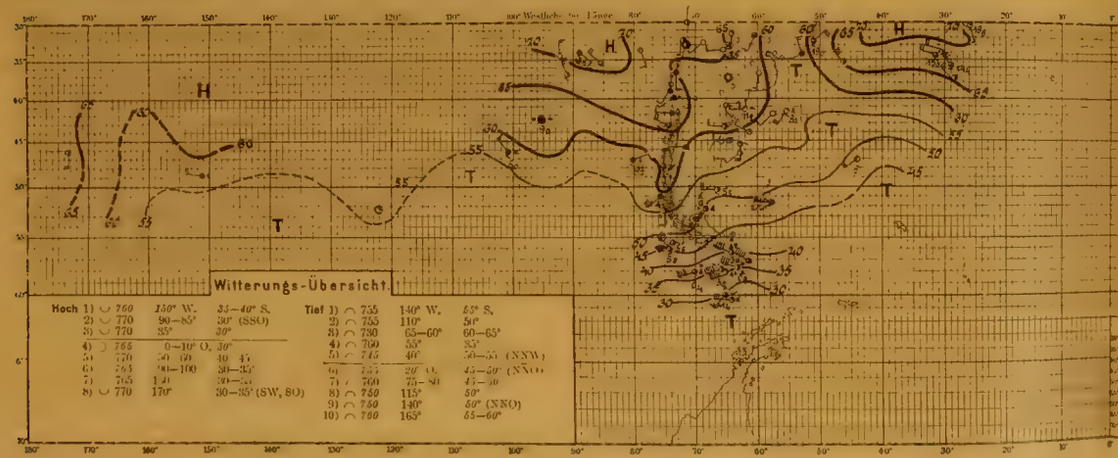
19. -21. Oktober 1901.

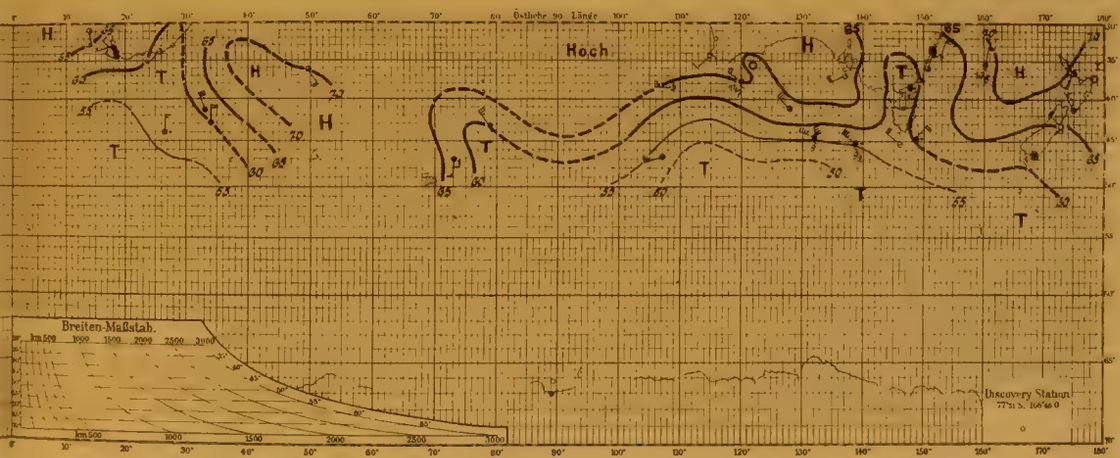
Nr. 70. 19. Oktober 1901



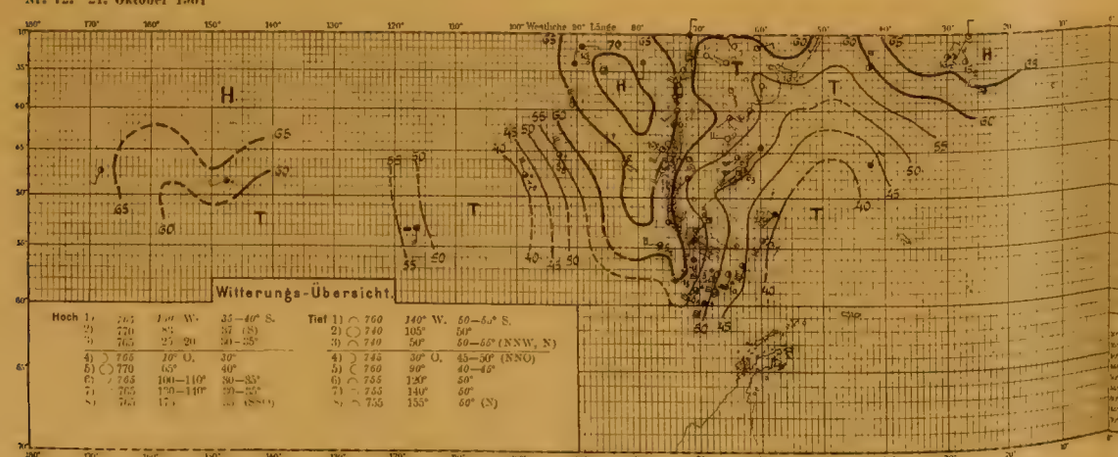


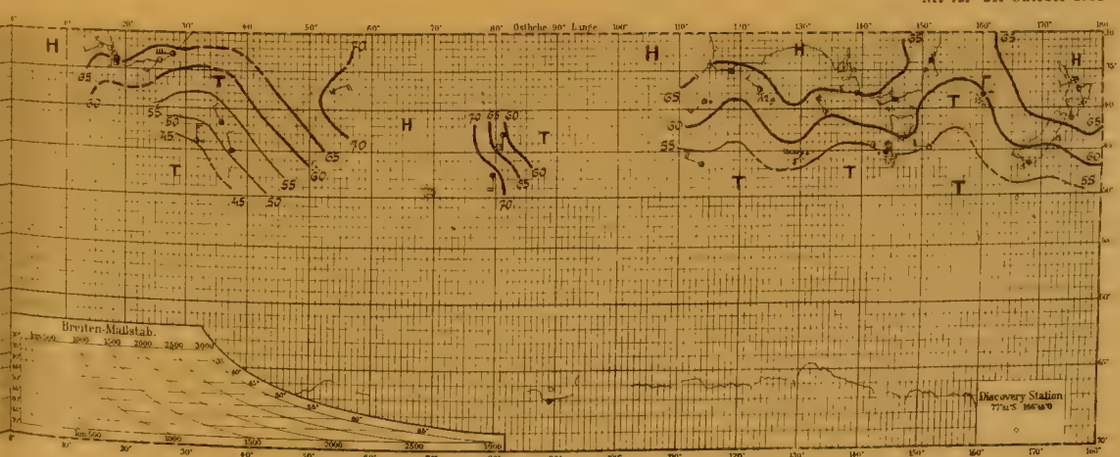
Nr. 71. 20. Oktober 1901





Nr. 72. 21. Oktober 1901

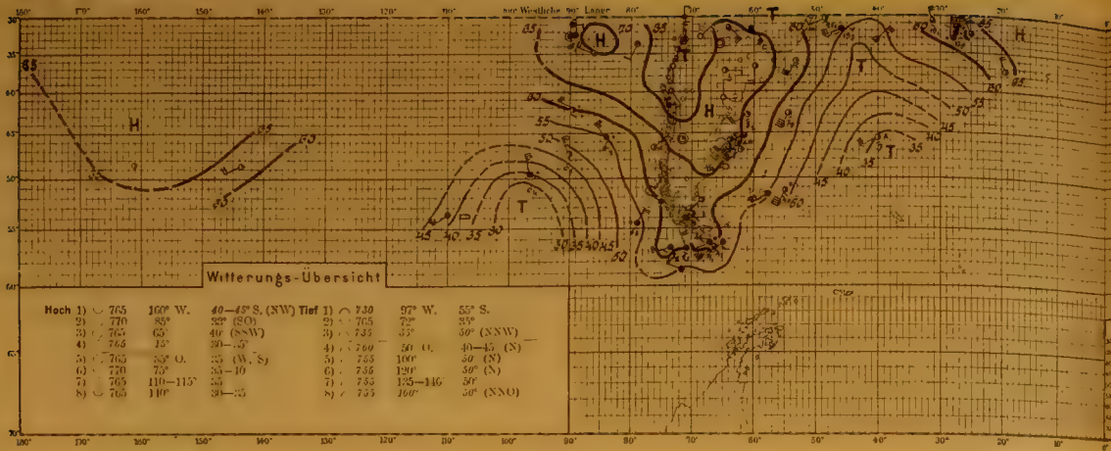


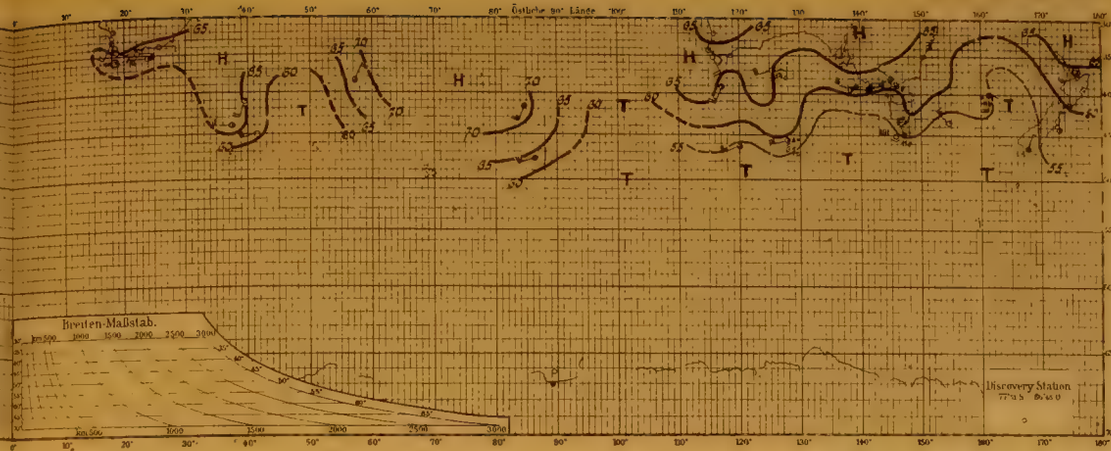


Tafel 25. *Nr. 73—75.*

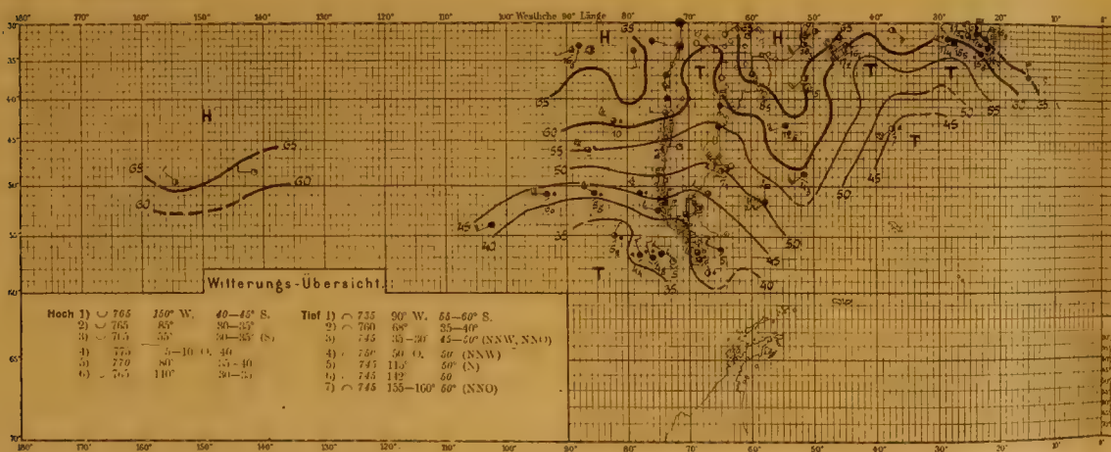
22.—24. Oktober 1901.

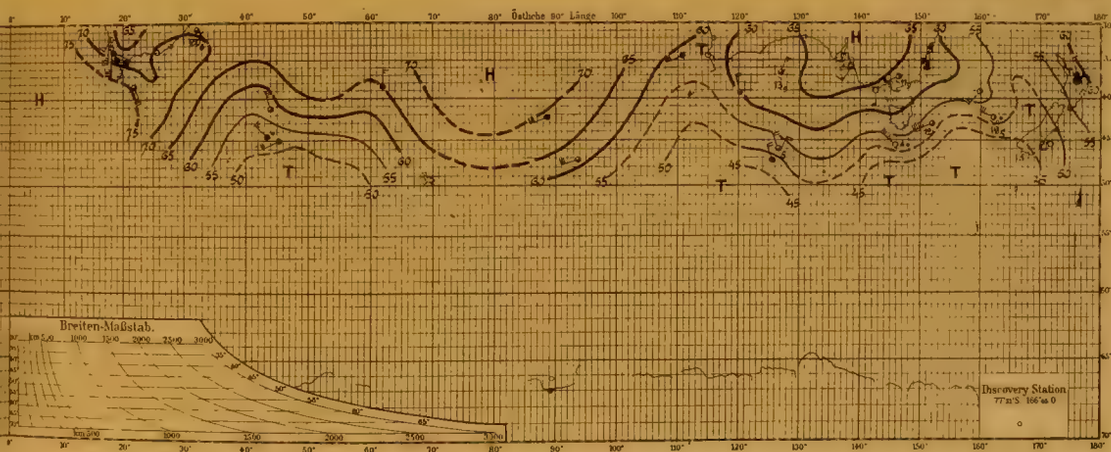
Nr. 73. 22. Oktober 1901



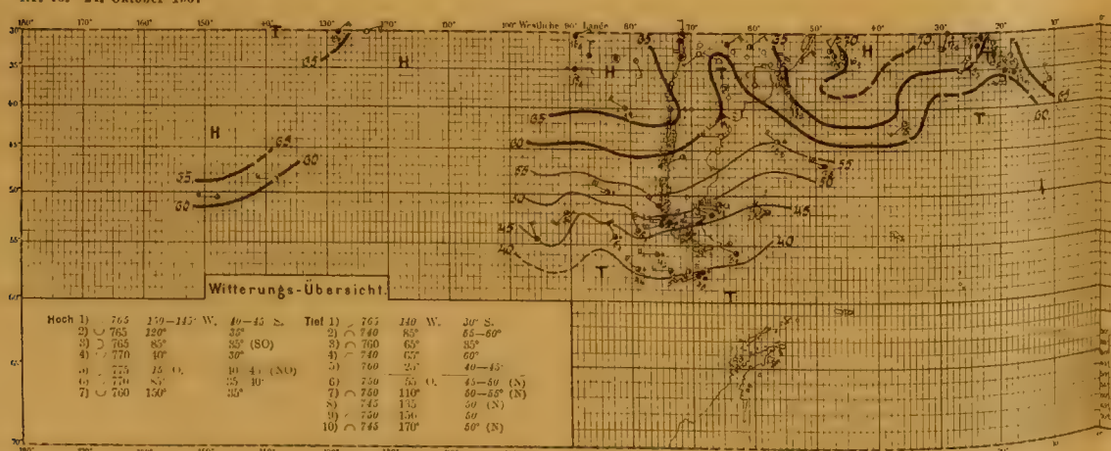


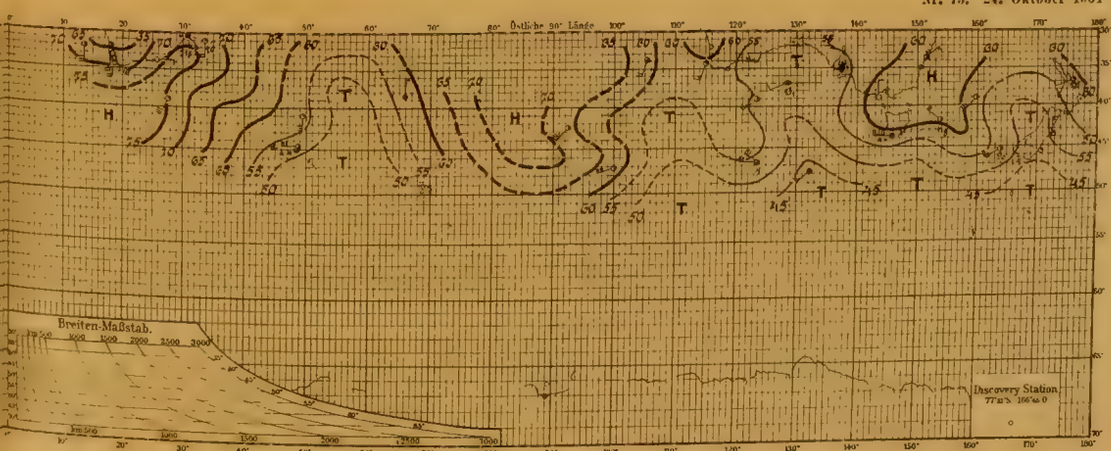
Nr. 74. 23. Oktober 1901





Nr. 75. 24. Oktober 1901

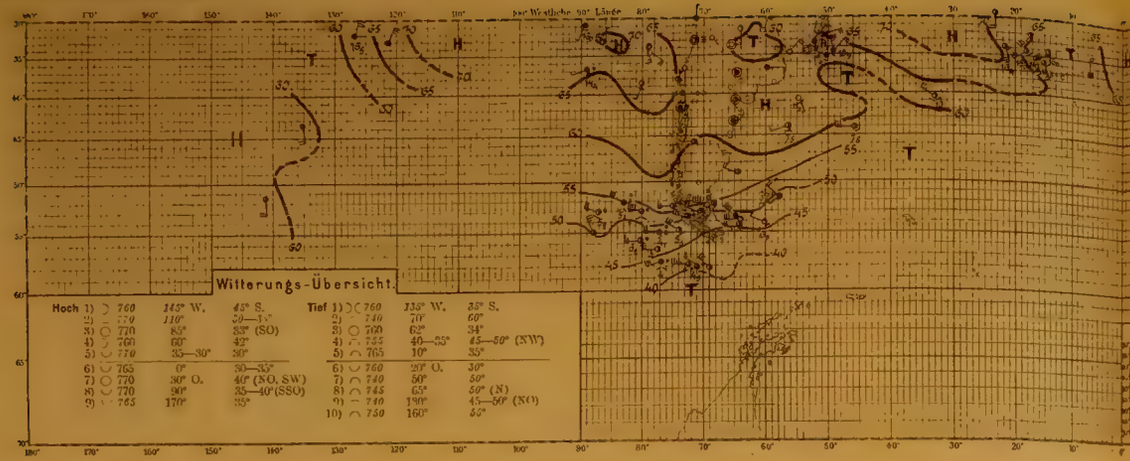




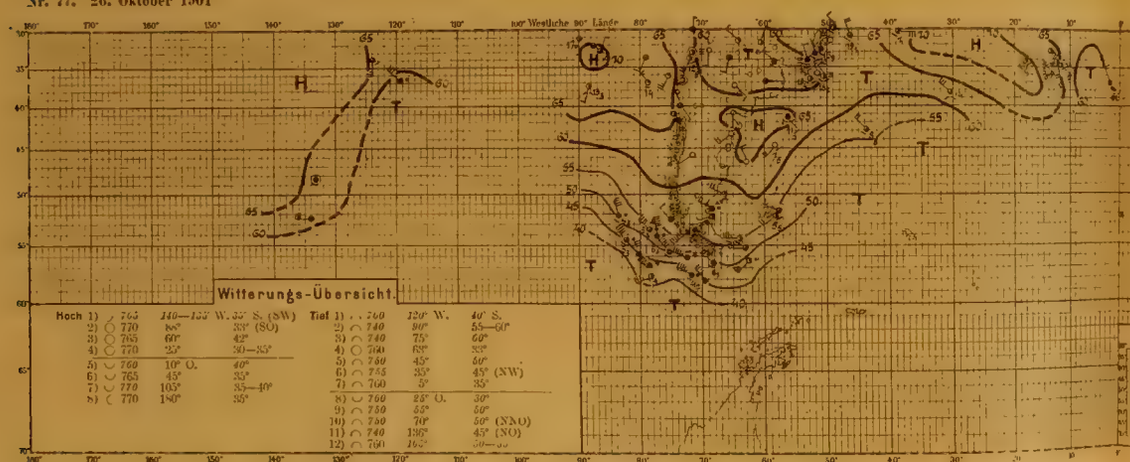
Tafel 26. *Nr. 76—78.*

25.—27. Oktober 1901.

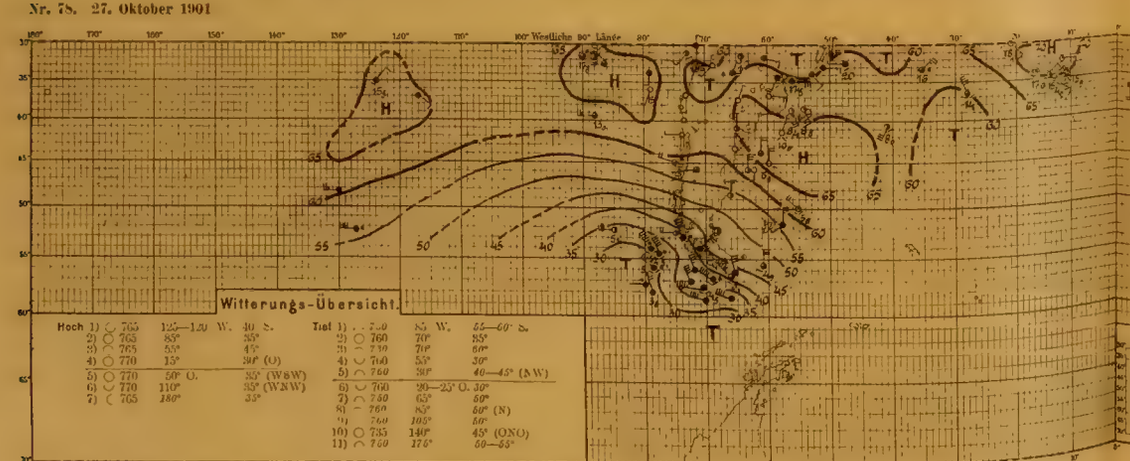
Nr. 76. 25. Oktober 1901



Nr. 77. 26. Oktober 1901



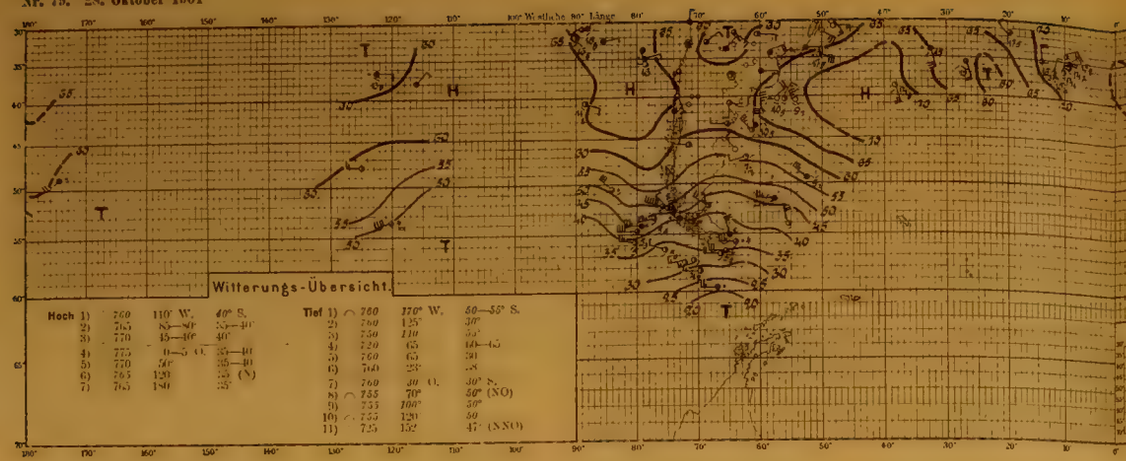
Nr. 78. 27. Oktober 1901

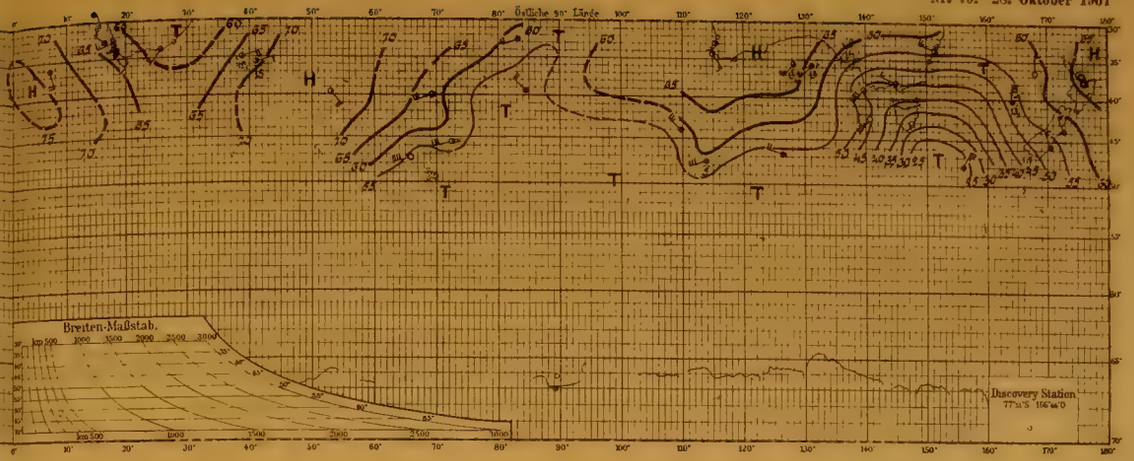


Tafel 27. *Nr. 79—81.*

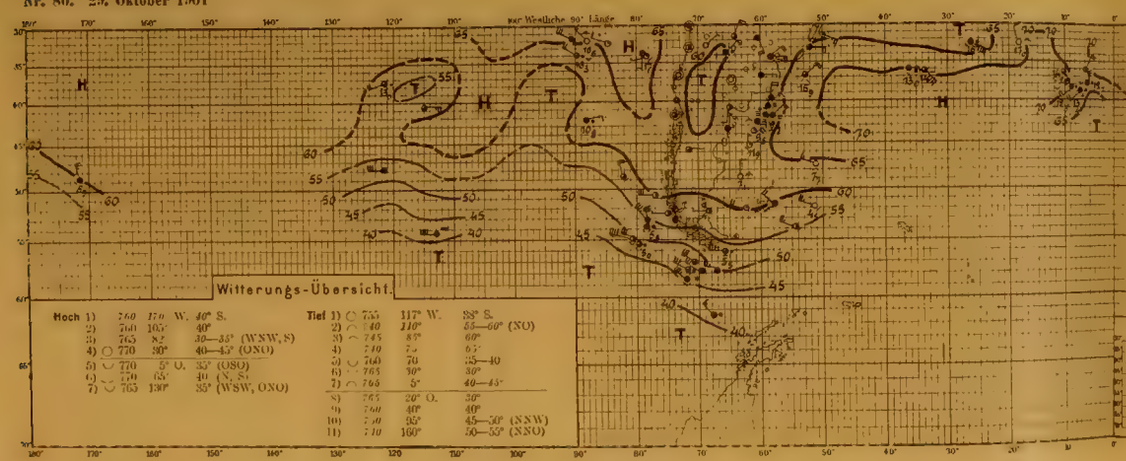
28.—30. Oktober 1901.

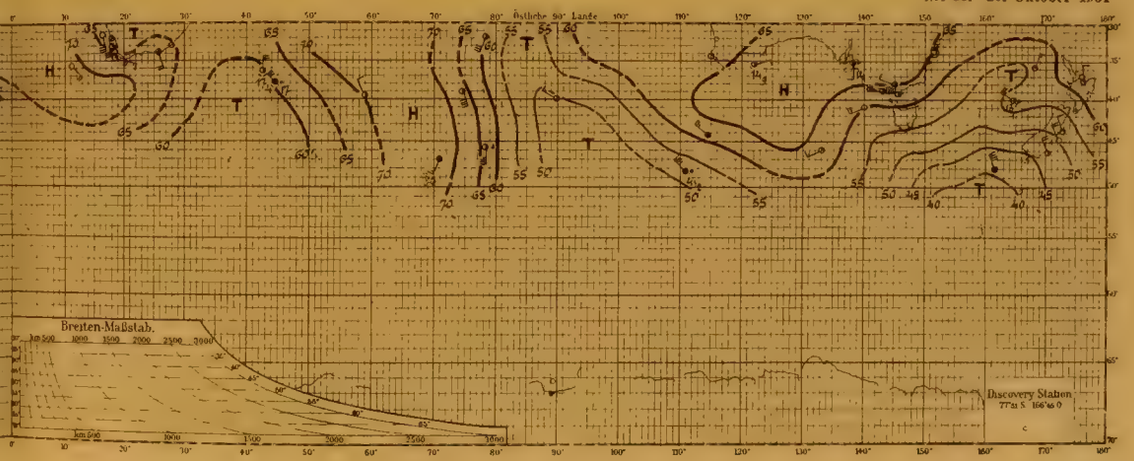
Nr. 79. 28. Oktober 1901



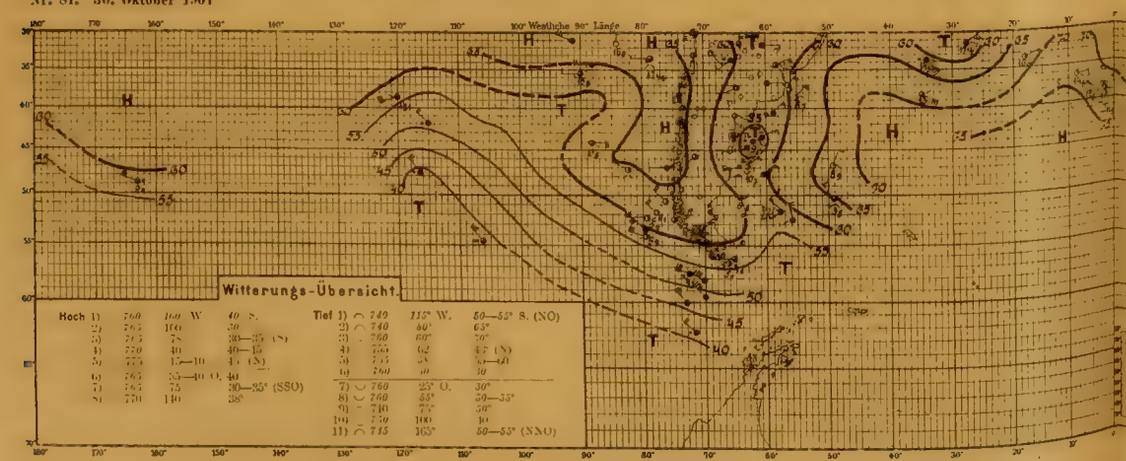


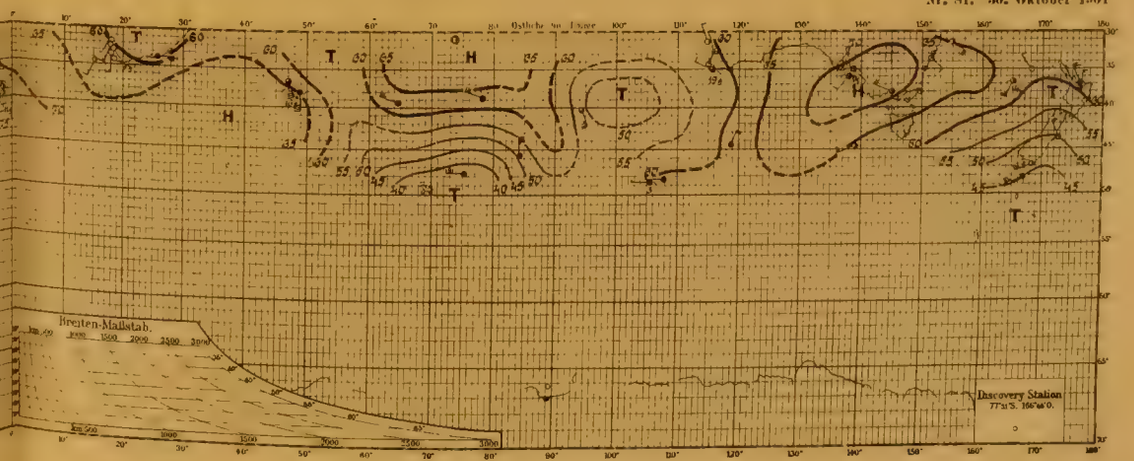
Nr. 80. 29. Oktober 1901





Nr. 81. 30. Oktober 1901

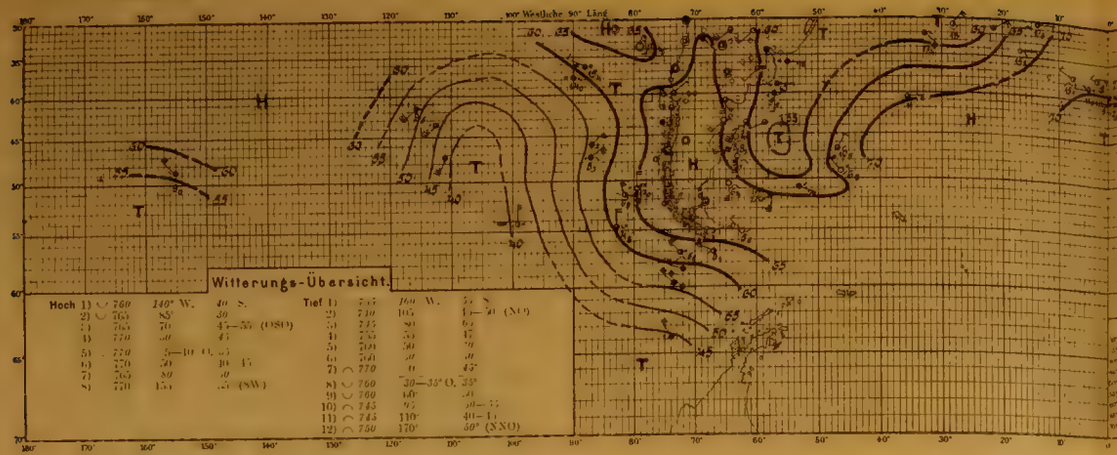




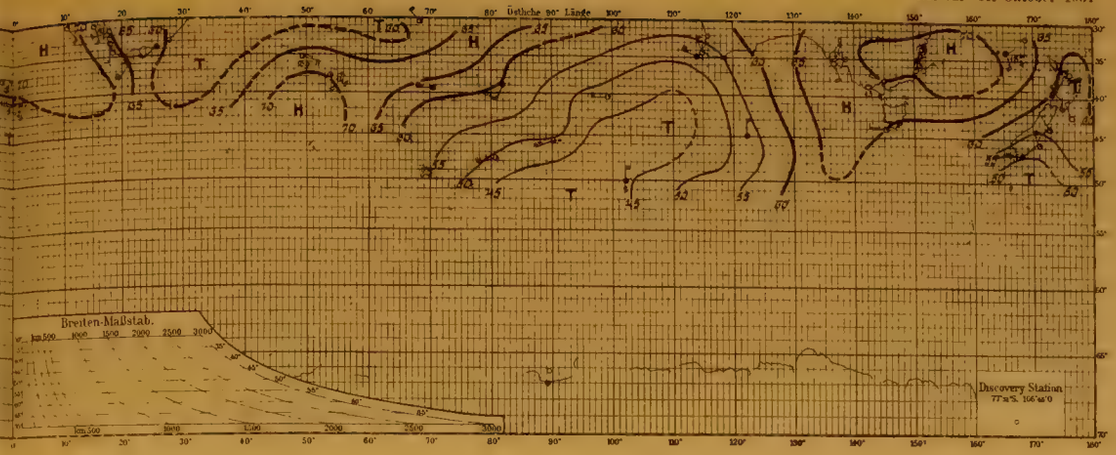
Tafel 28. *Nr. 82—84.*

31. Oktober—2. November 1901.

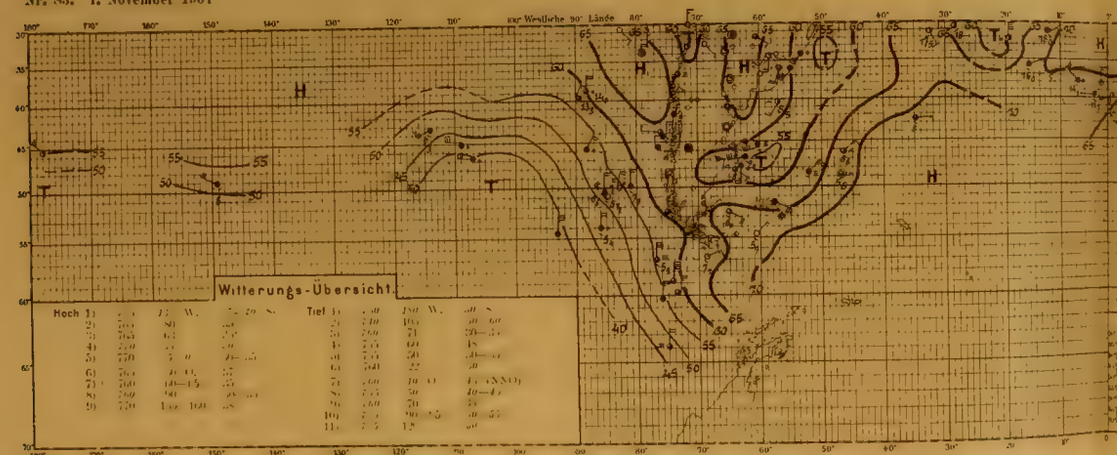
Nr. 82. 31. Oktober 1901*)



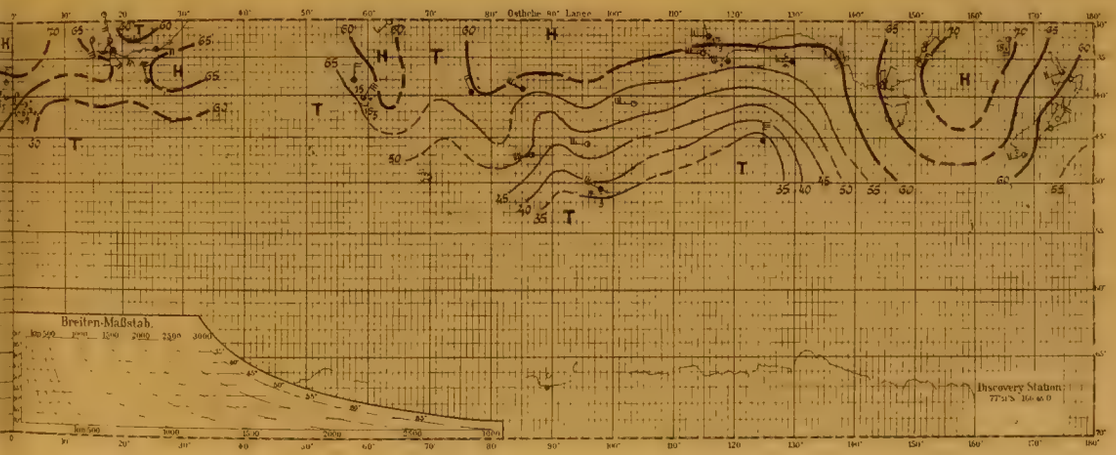
Nr. 82. 31. Oktober 1901



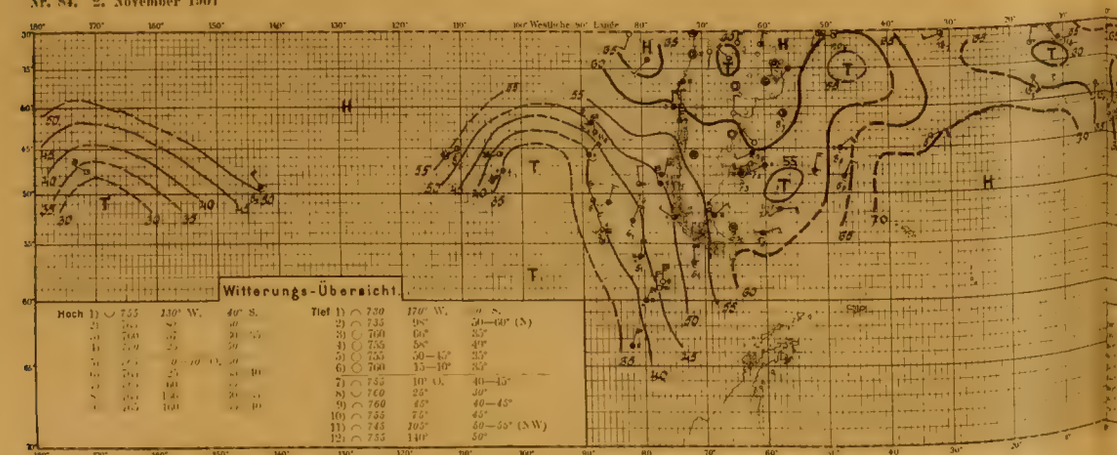
Nr. 83. 1. November 1901



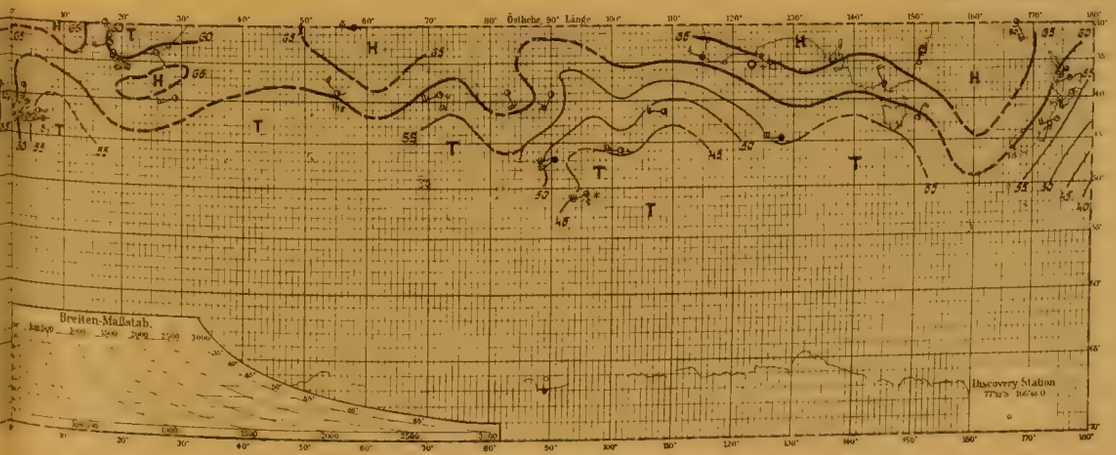
Nr. 83. 1. November 1901



Nr. 84. 2. November 1901



Nr. 84. 2. November 1901

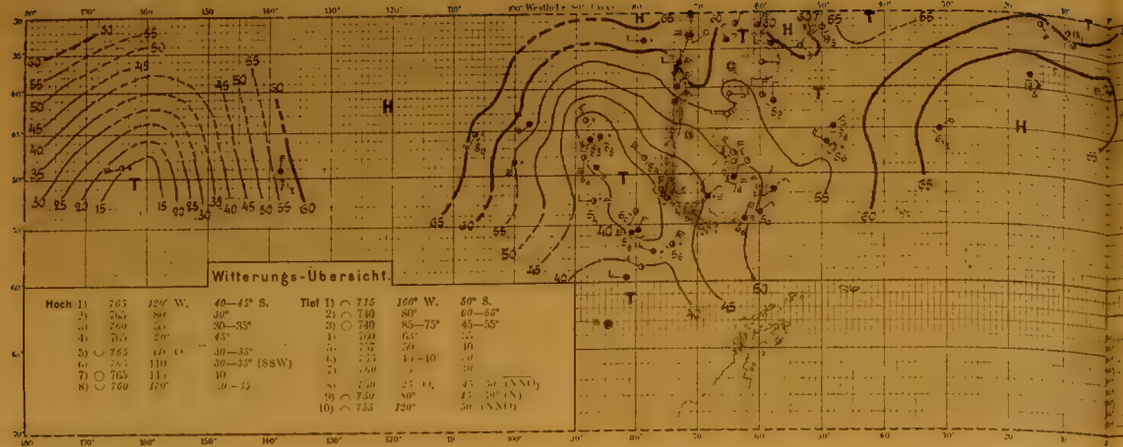


*) „Gauss" erscheint im Kartenbild in 80° S. Br. 140° W. L. Symbol: verlängerter Windpfeil

Tafel 29. *Nr. 85—87.*

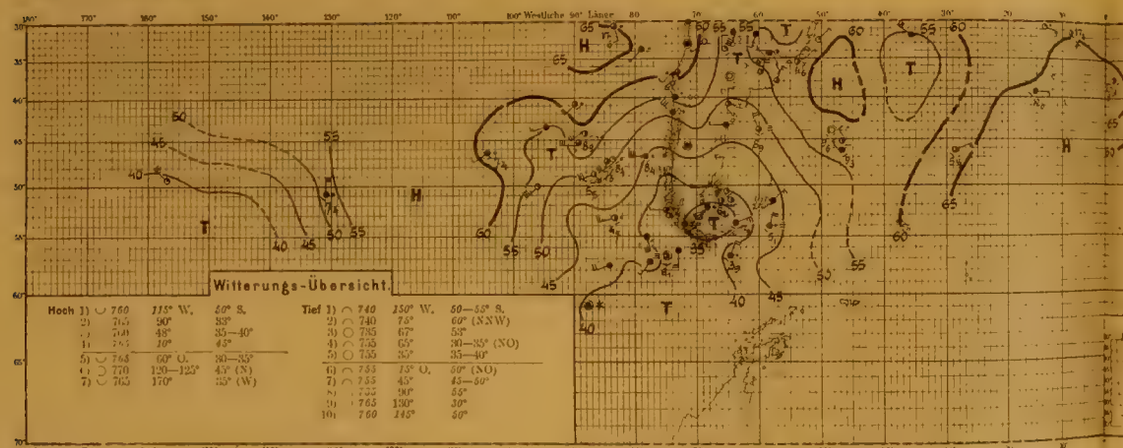
3.—5. November 1901.

Nr. 85. 3. November 1901

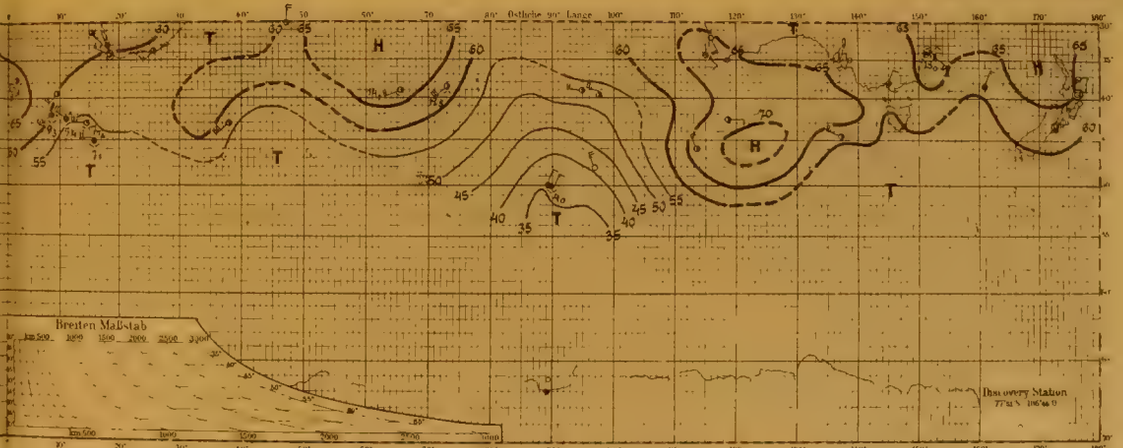


Nr. 85. 3. November 1901

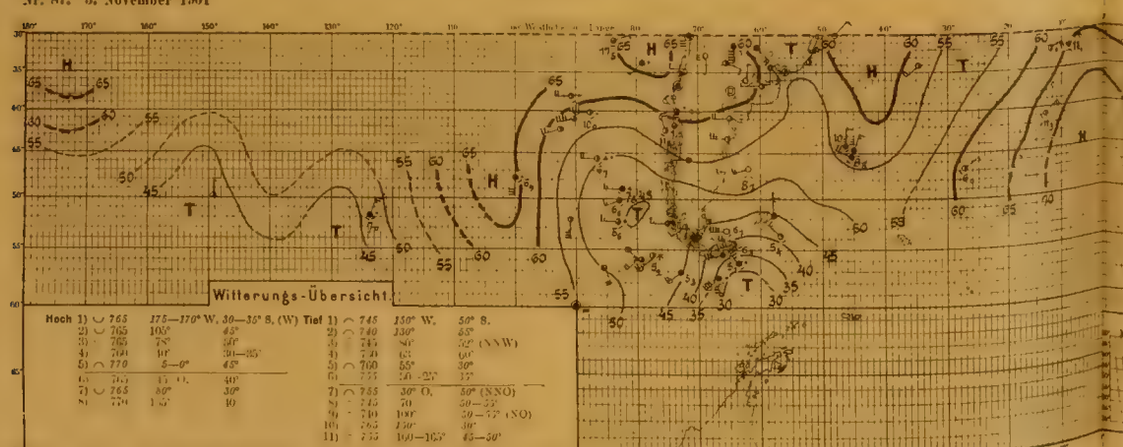
Nr. 86. 4. November 1901



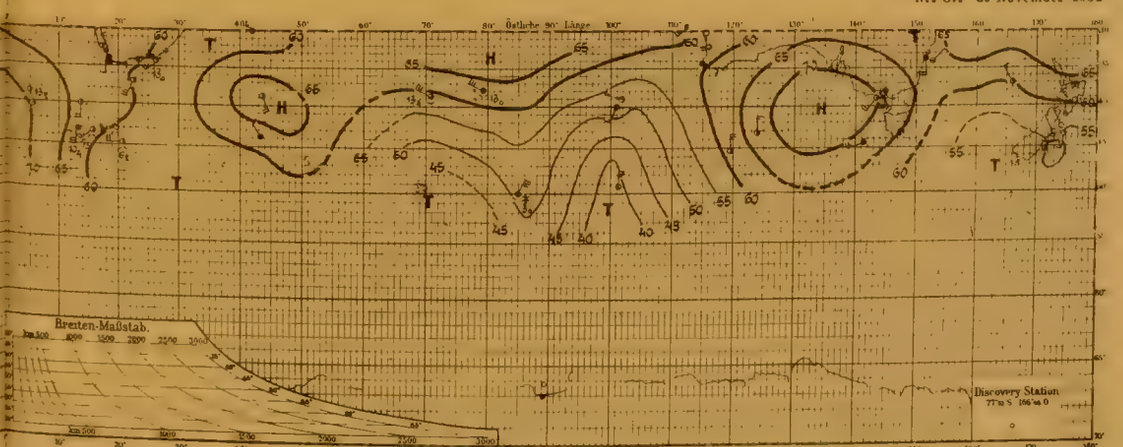
Nr. 86. 4. November 1901



Nr. 87. 5. November 1901



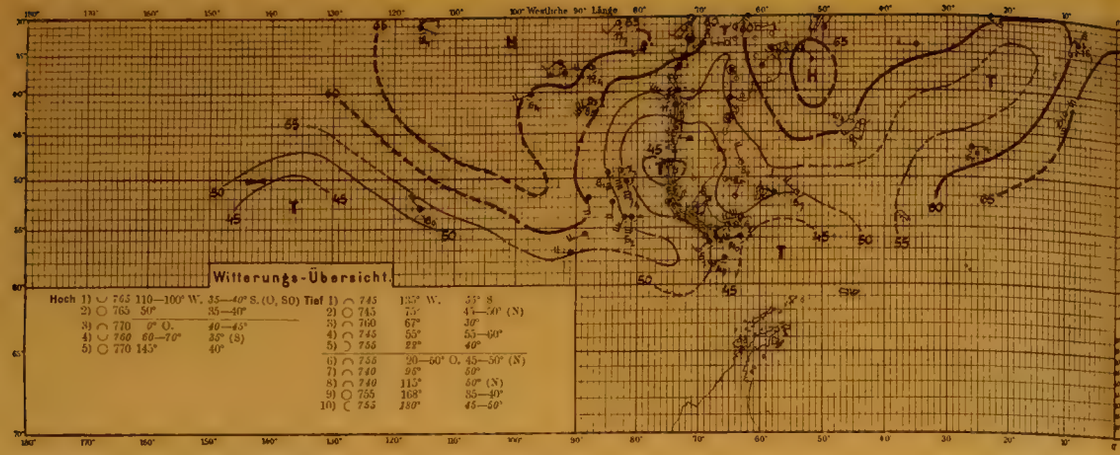
Nr. 87. 5. November 1901

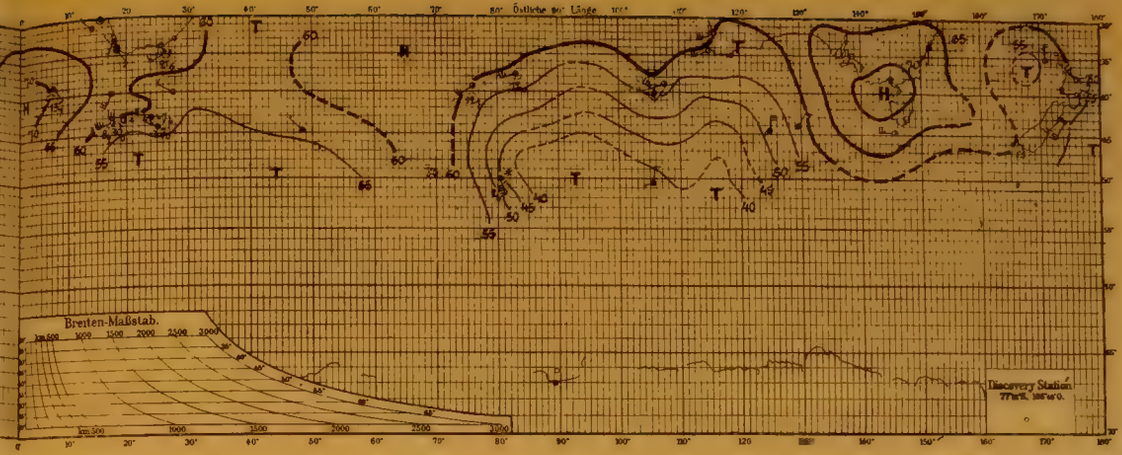


Tafel 30. *Nr. 88—90.*

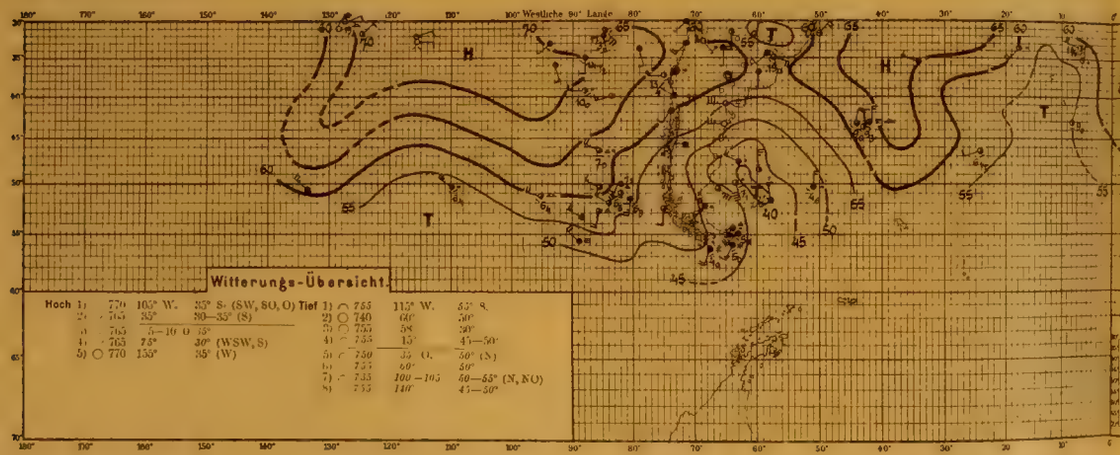
6.—8. November 1901.

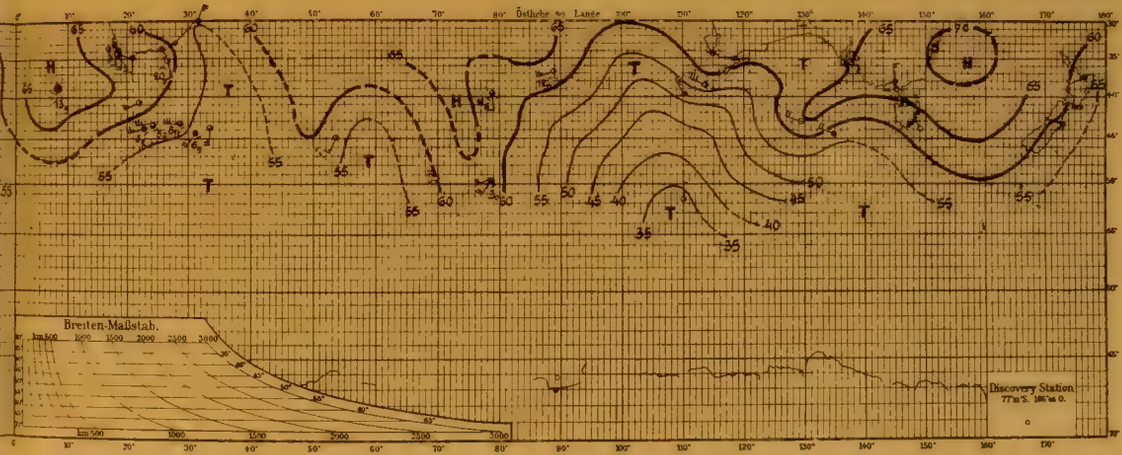
Nr. 88. 6. November 1901



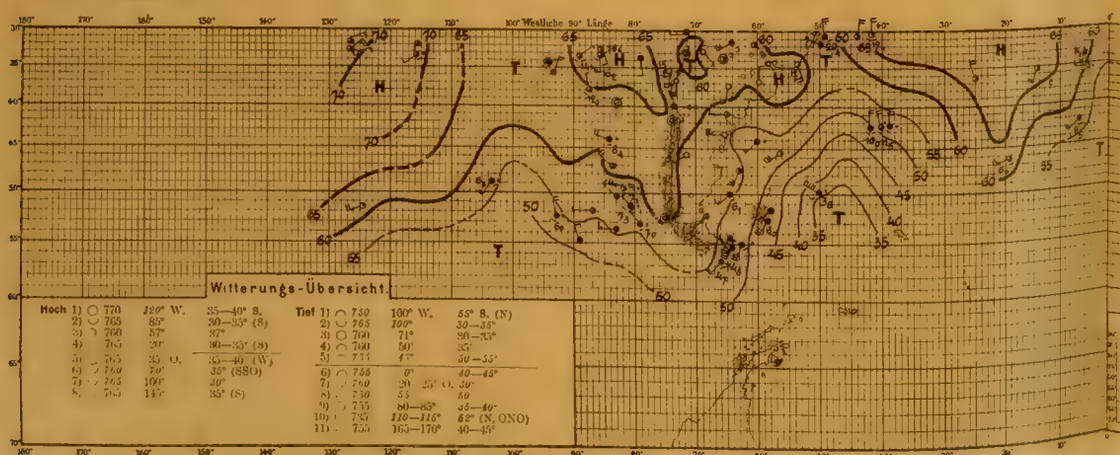


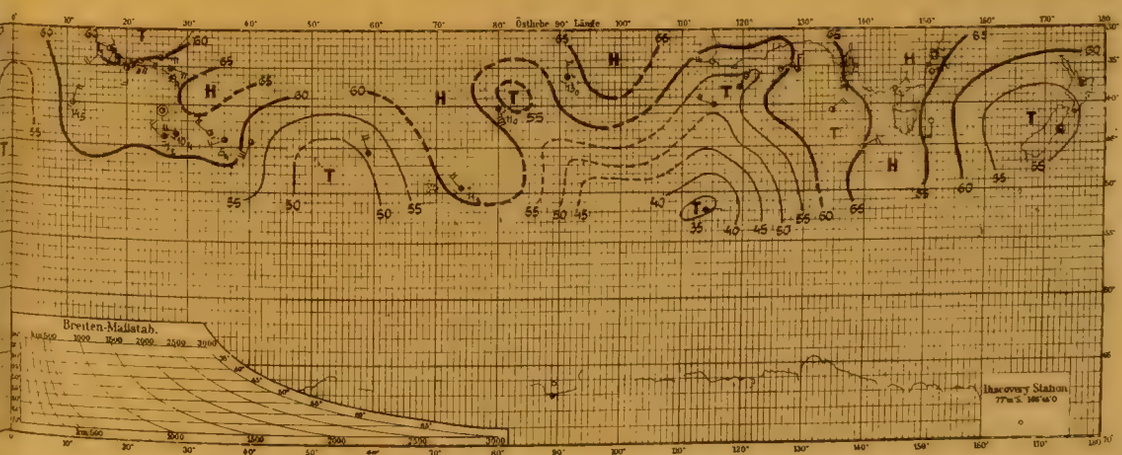
Nr. 89. 7. November 1901





Nr. 90. 8. November 1901

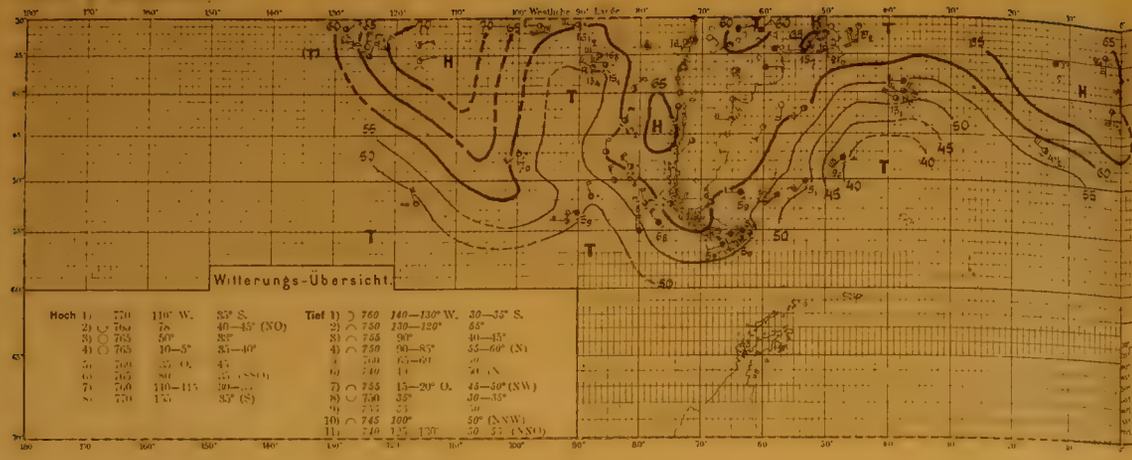




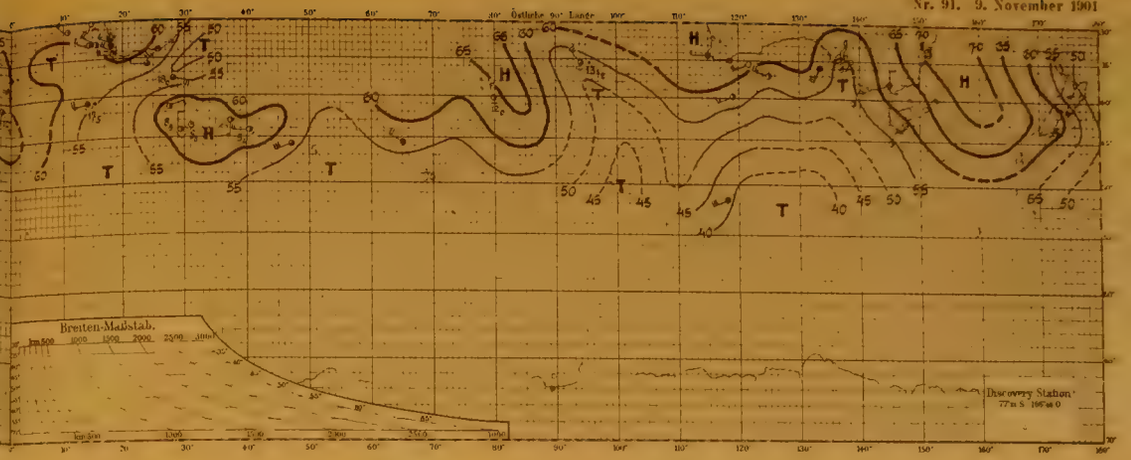
Tafel 31. Nr. 91—93.

9.—11. November 1901.

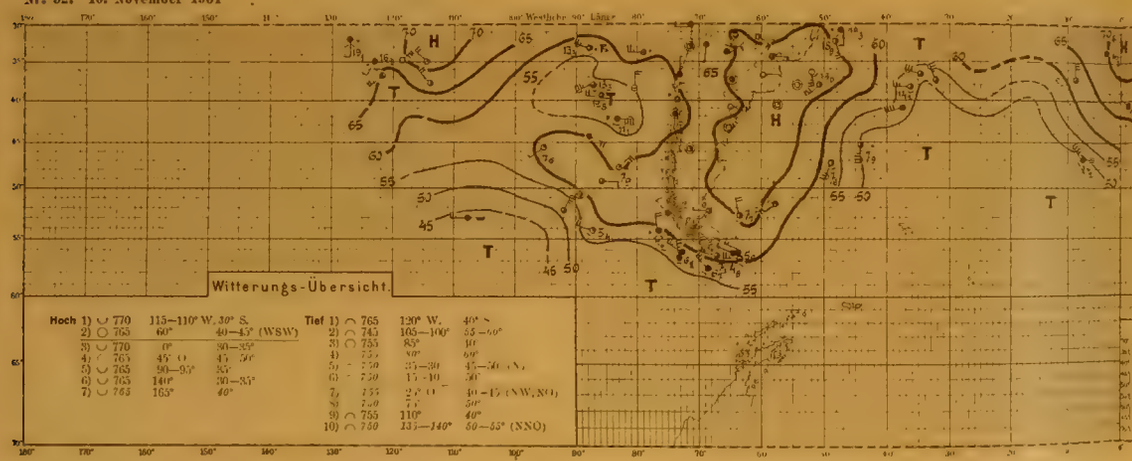
Nr. 91. 9. November 1901



Nr. 91. 9. November 1901

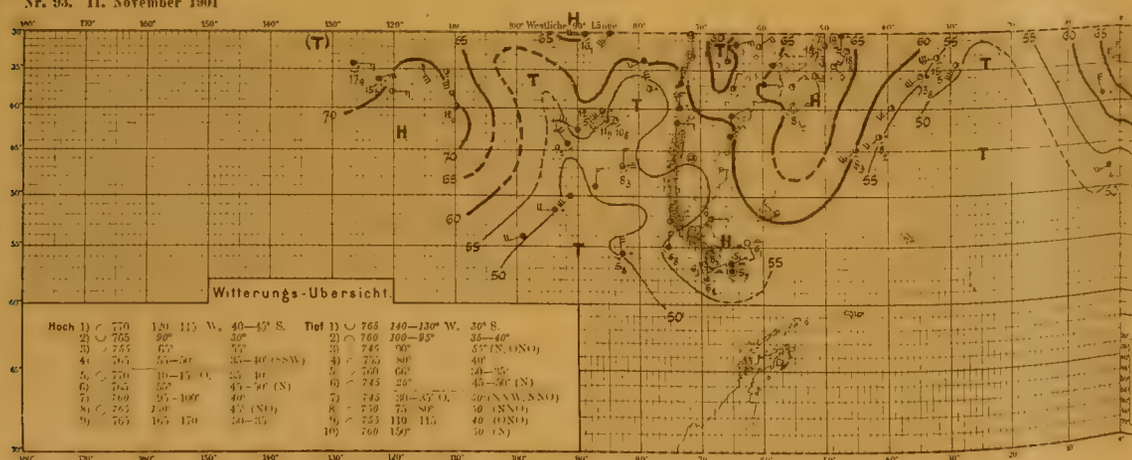


Nr. 92. 10. November 1901

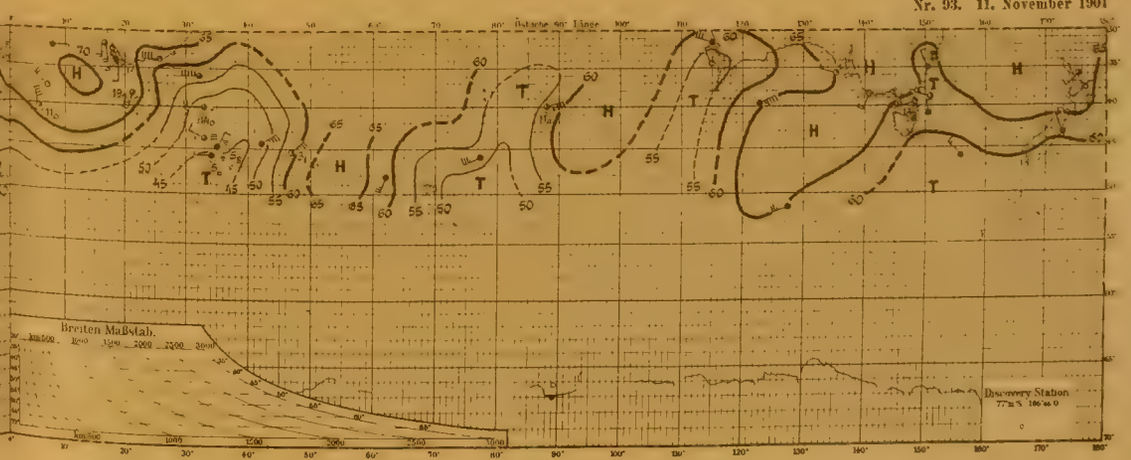


Nr. 92. 10. November 1901

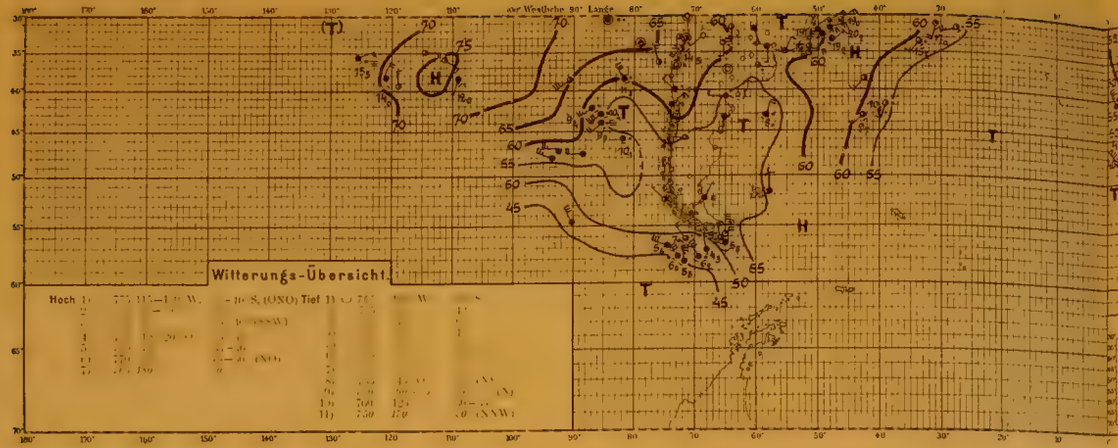
Nr. 93. 11. November 1901



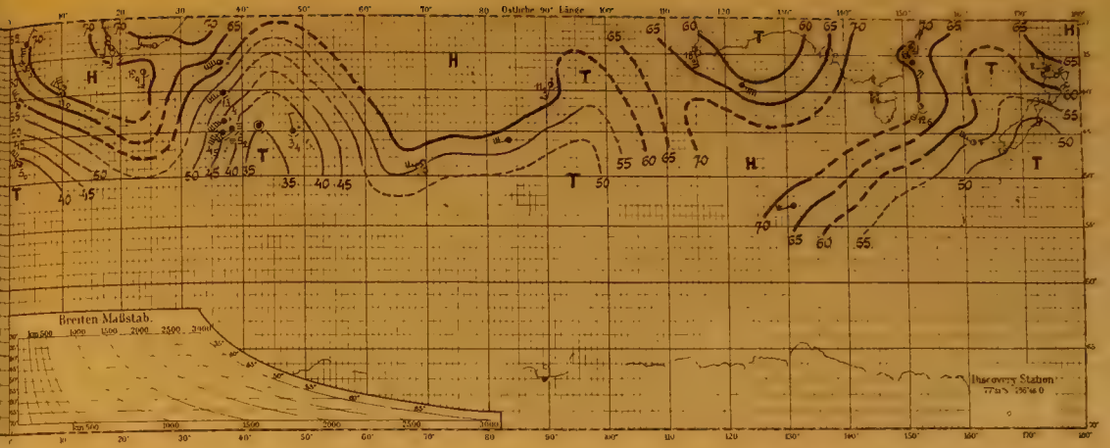
Nr. 93. 11. November 1901



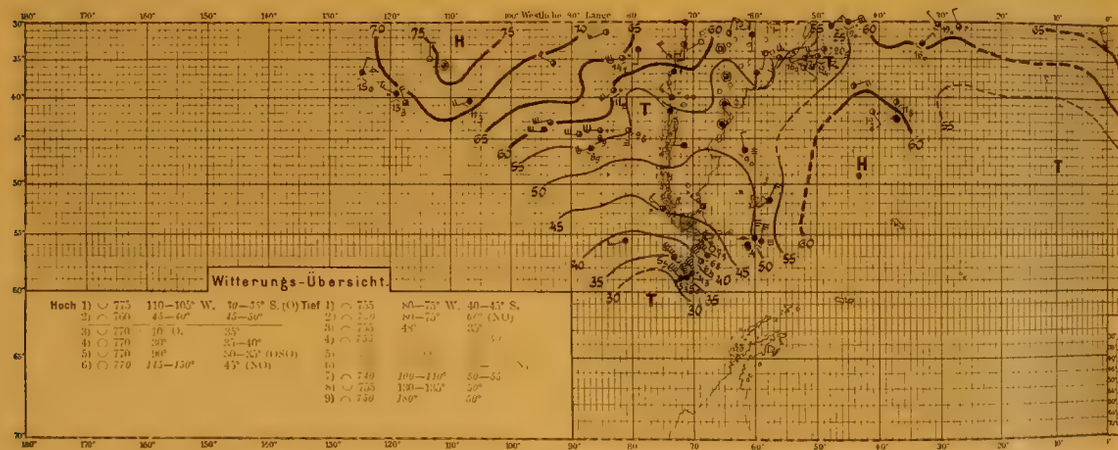
Nr. 94. 12. November 1901



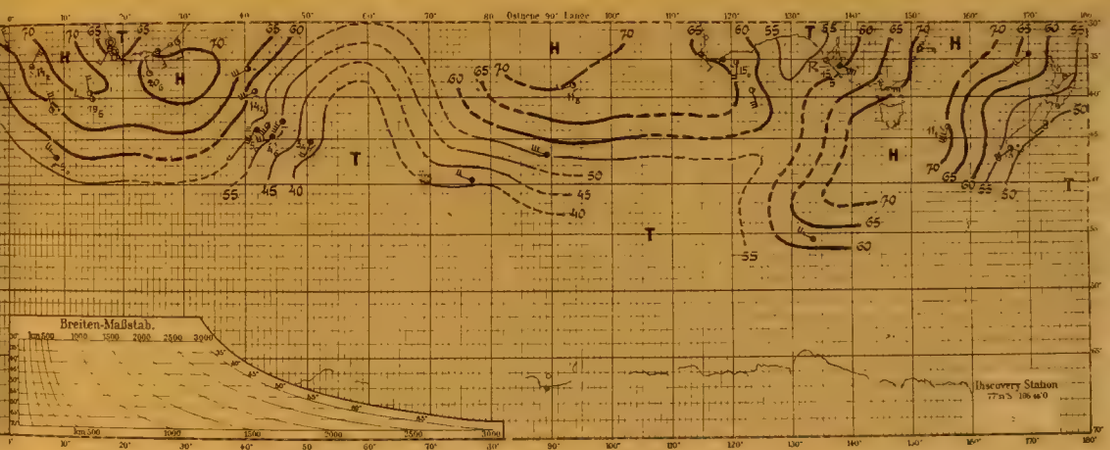
Nr. 94. 12. November 1901



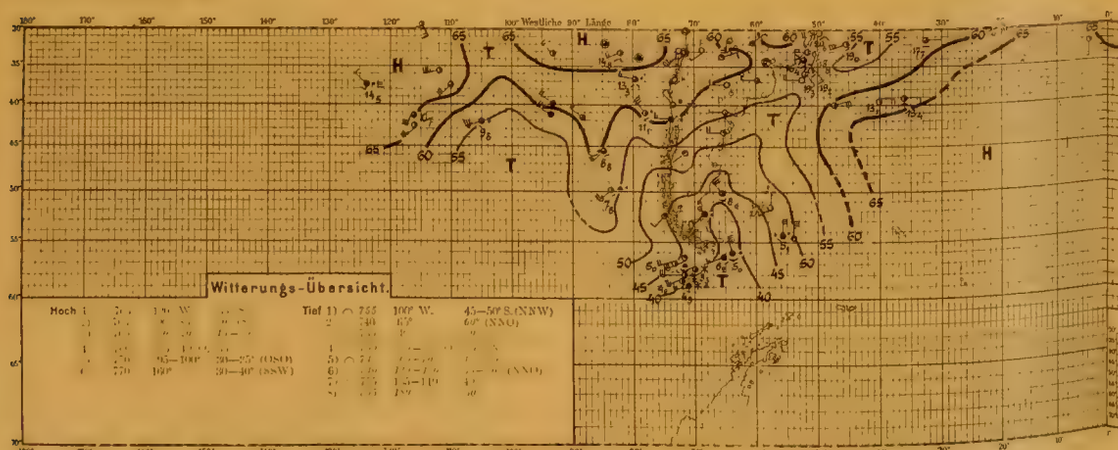
Nr. 95. 13. November 1901



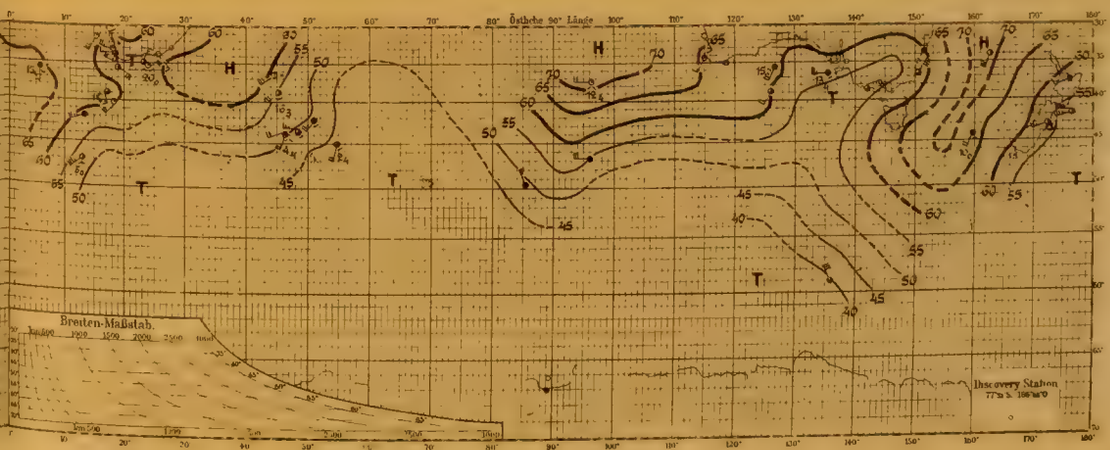
Nr. 95. 13. November 1901



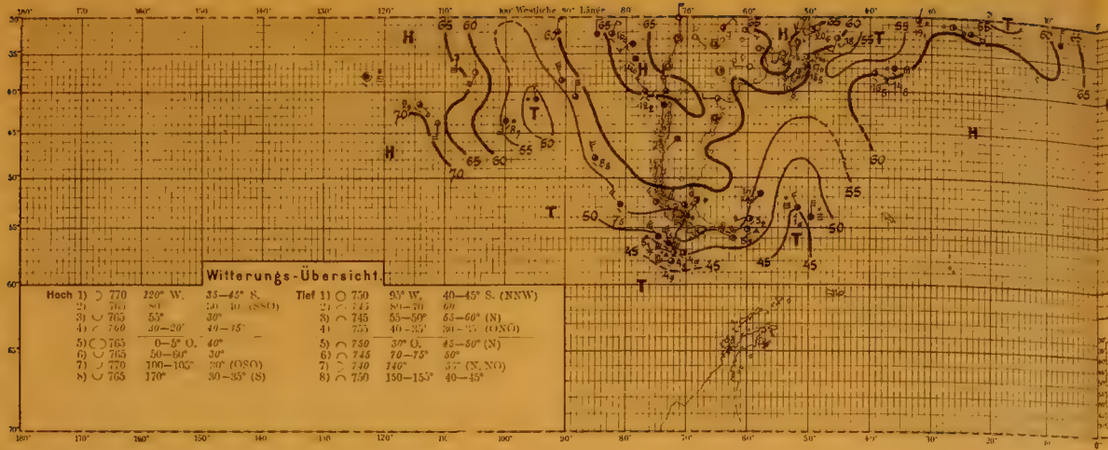
Nr. 96. 14. November 1901

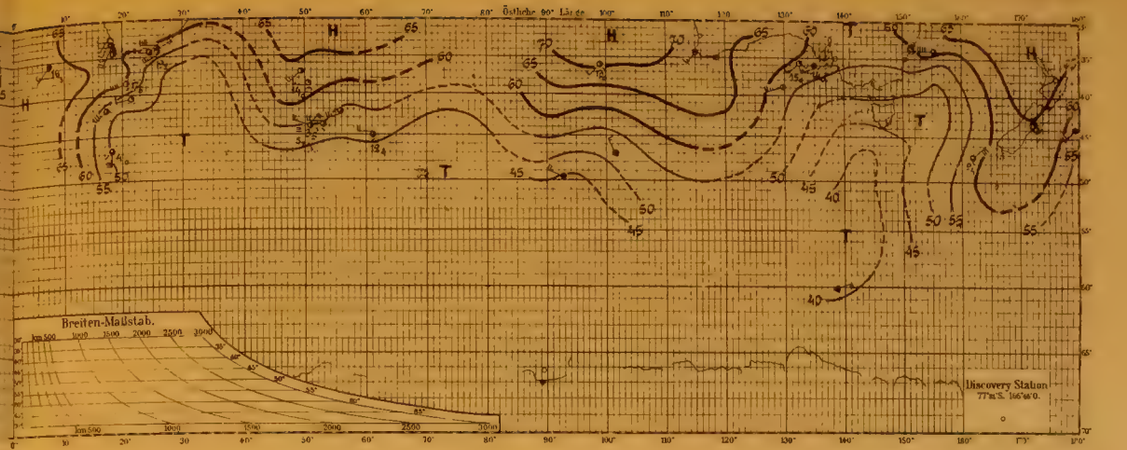


Nr. 96. 14. November 1901

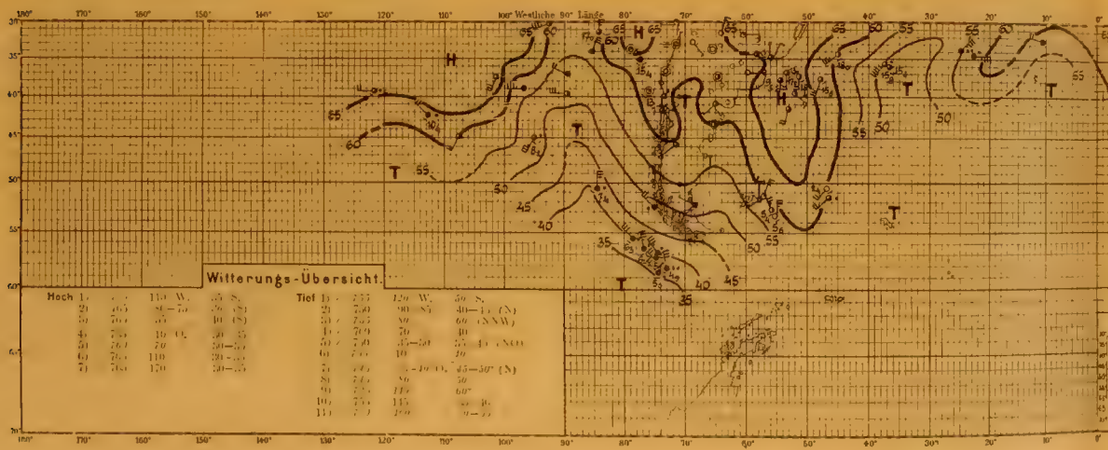


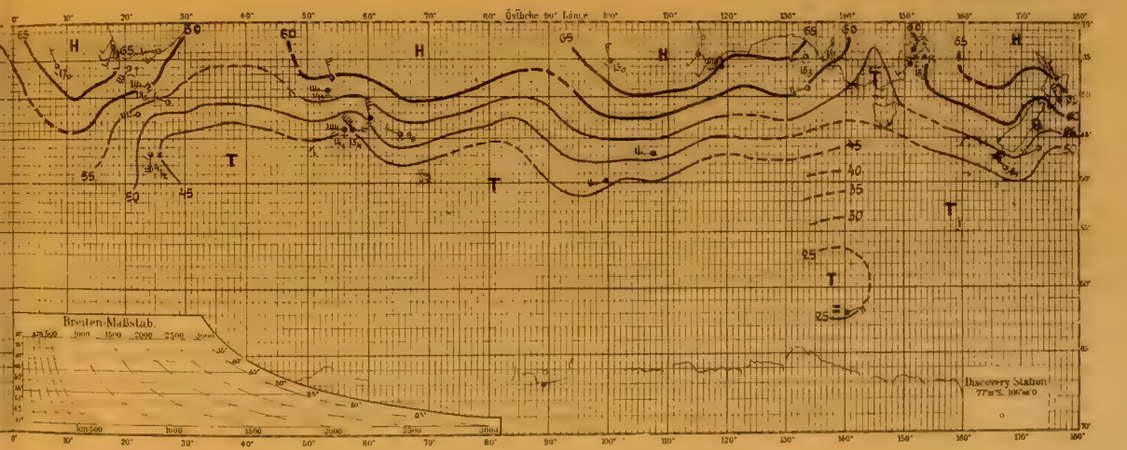
Nr. 97. 15. November 1901



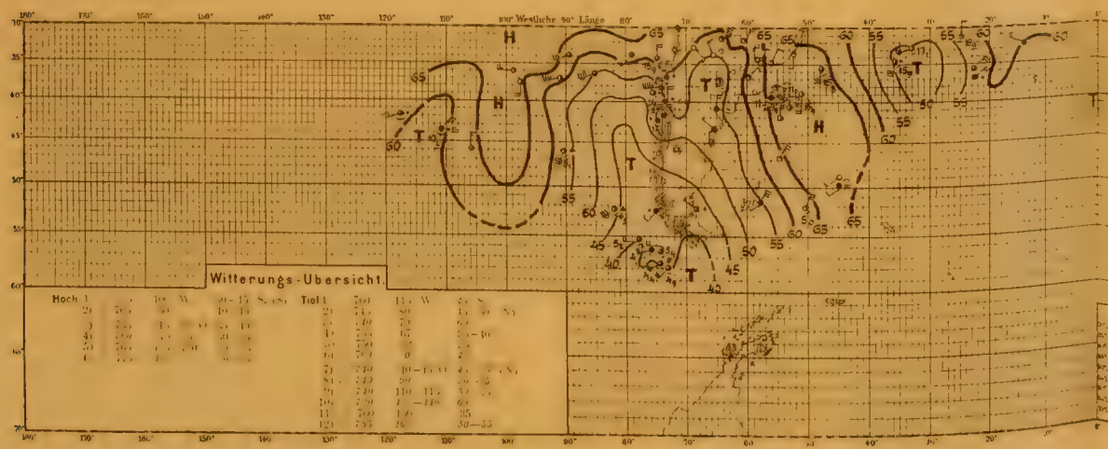


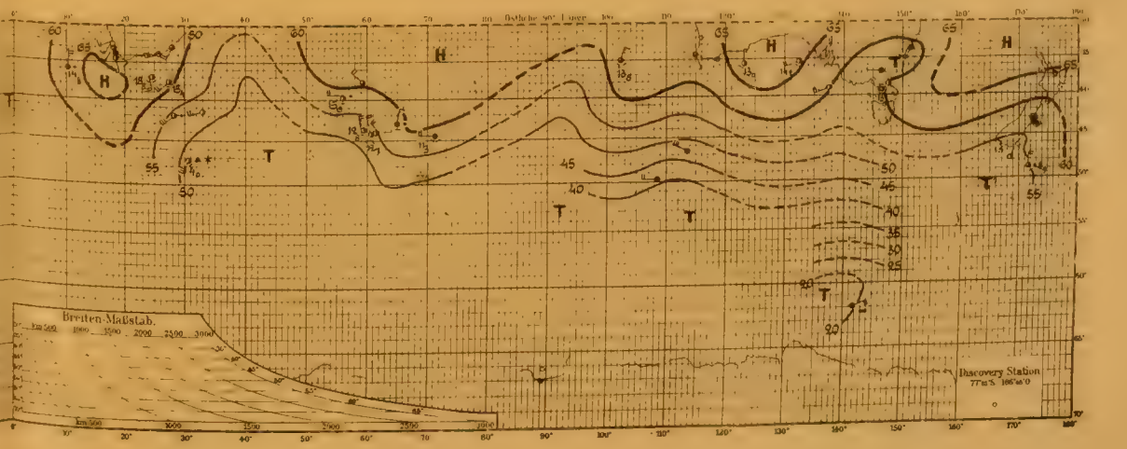
Nr. 98. 16. November 1901





Nr. 99. 17. November 1901

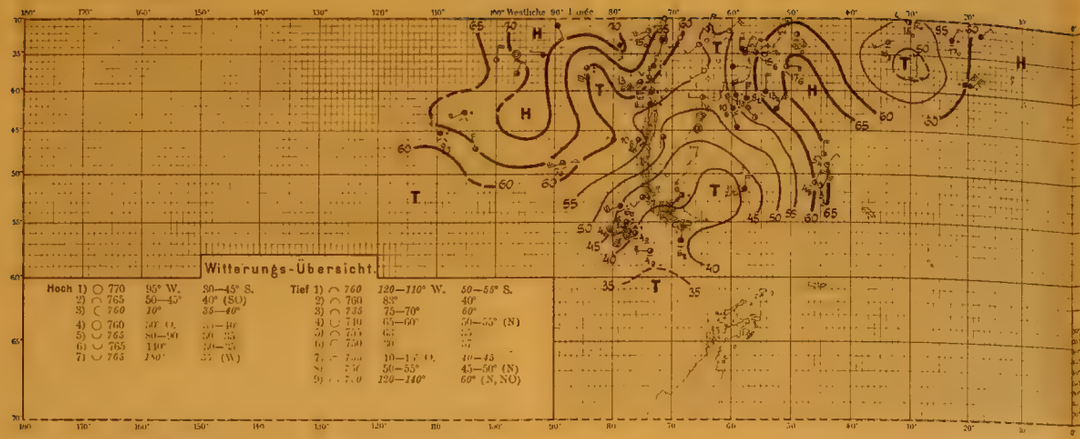




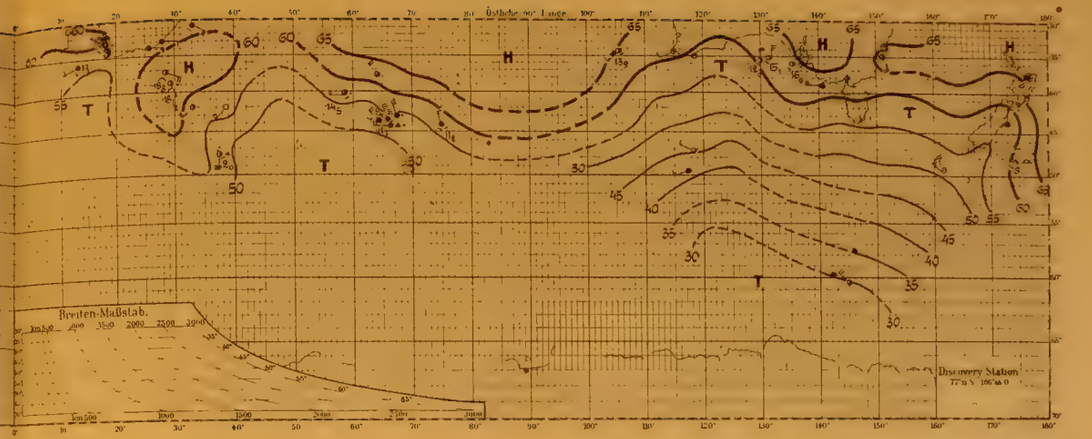
Tafel 34. Nr. 100—102.

18.—20. November 1901.

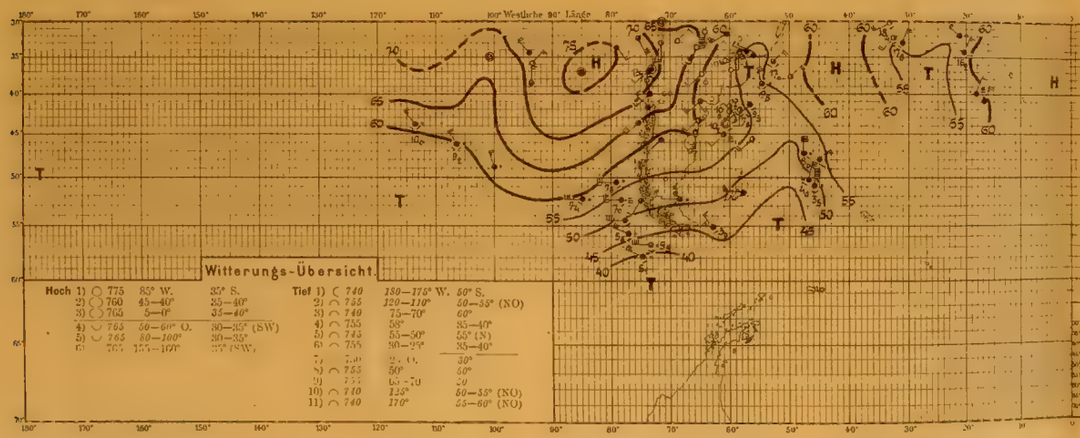
Nr. 100. 18. November 1901



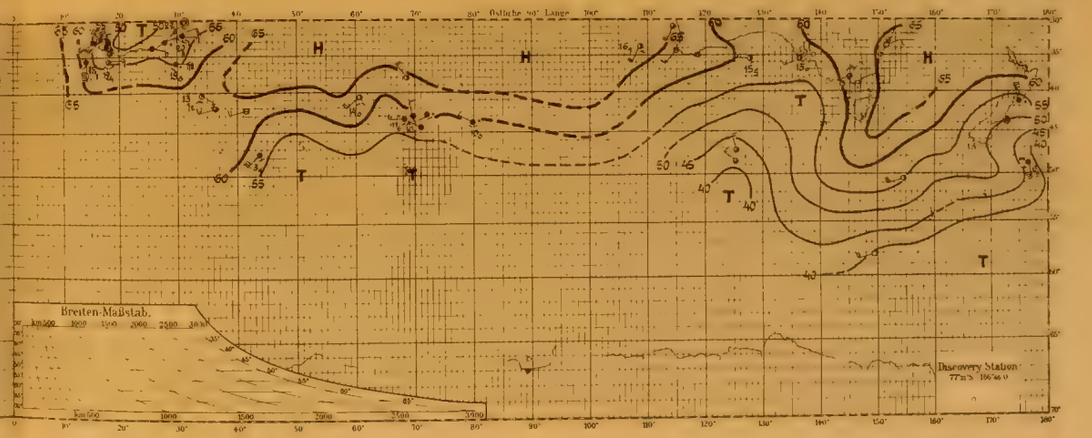
Nr. 100. 18. November 1901



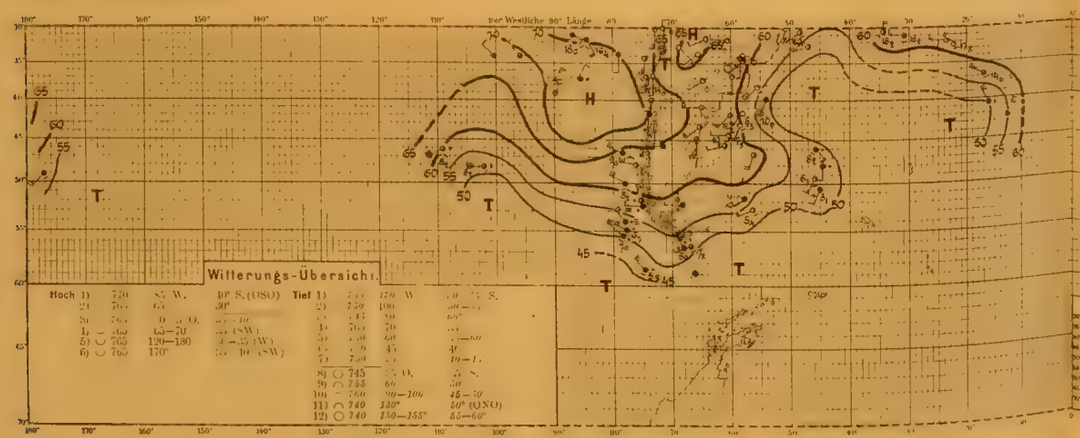
Nr. 101. 19. November 1901



Nr. 101. 19. November 1901



Nr. 102. 20. November 1901

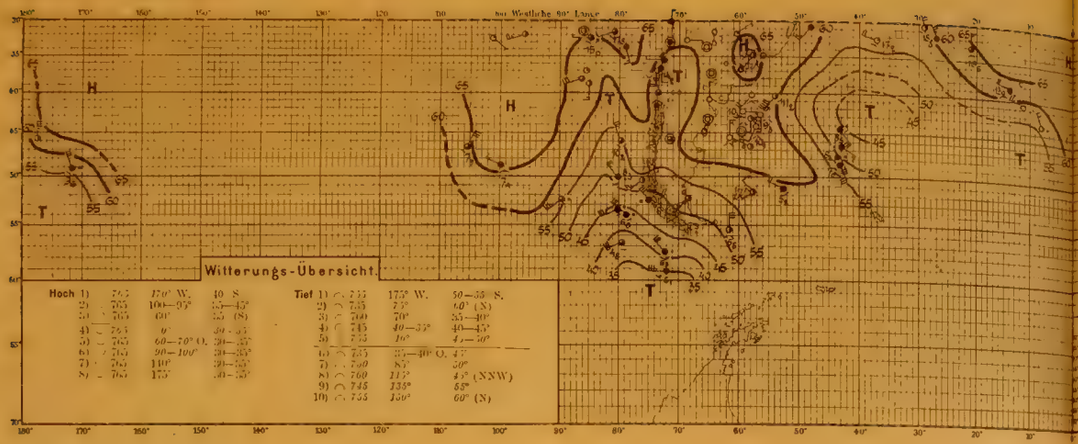


Nr. 102. 20. November 1901

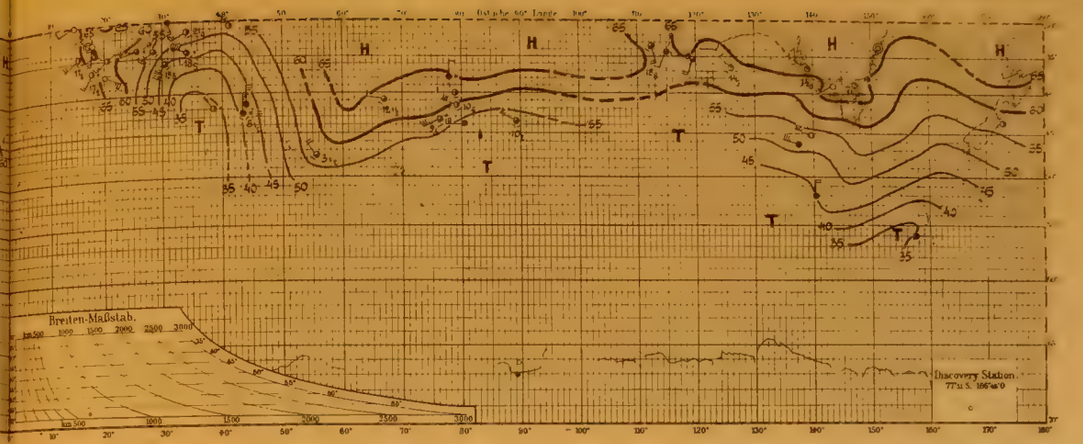
Tafel 35. Nr. 103–105.

21. 23. November 1901.

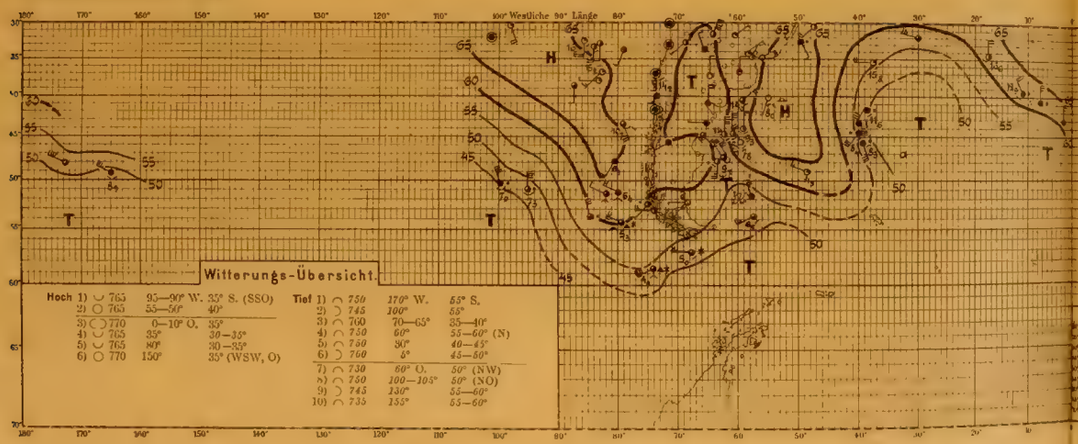
Nr. 103. 21. November 1901



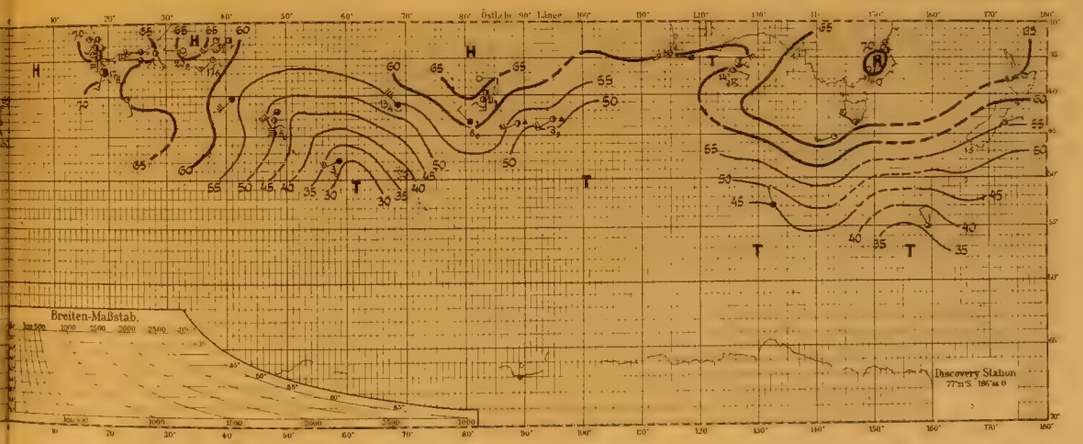
Nr. 103. 21. November 1901



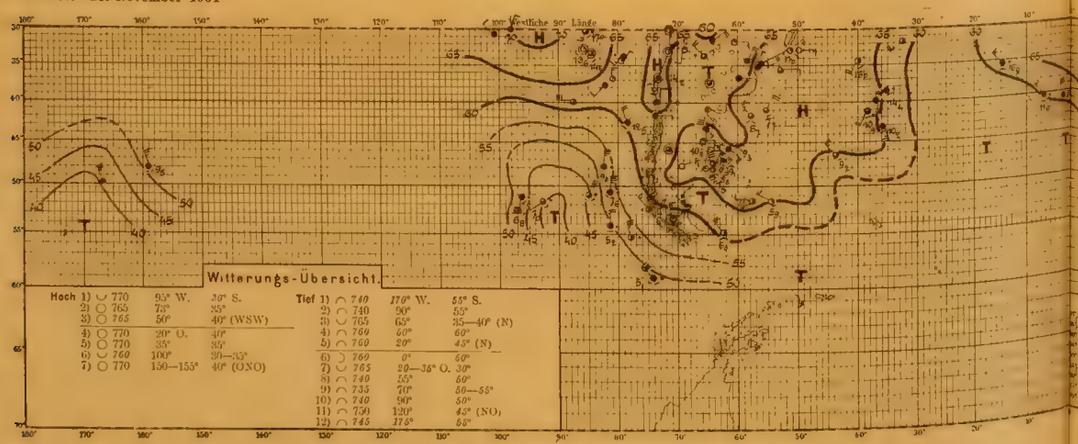
Nr. 104. 22. November 1901



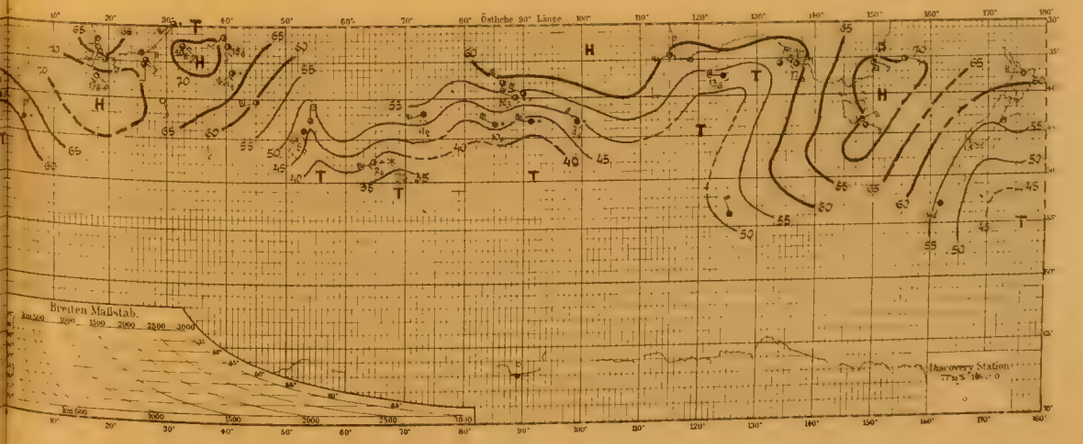
Nr. 104. 22. November 1901



Nr. 105. 23. November 1901



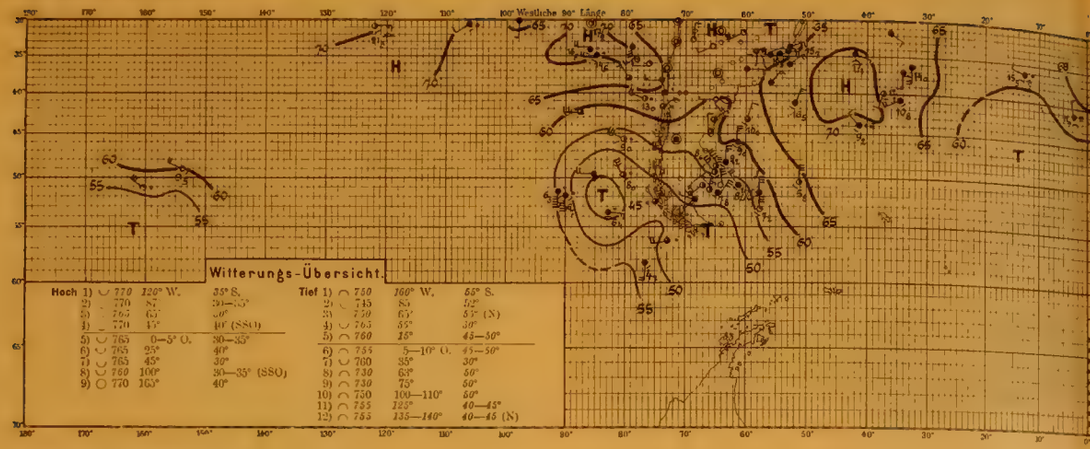
Nr. 105. 23. November 1901

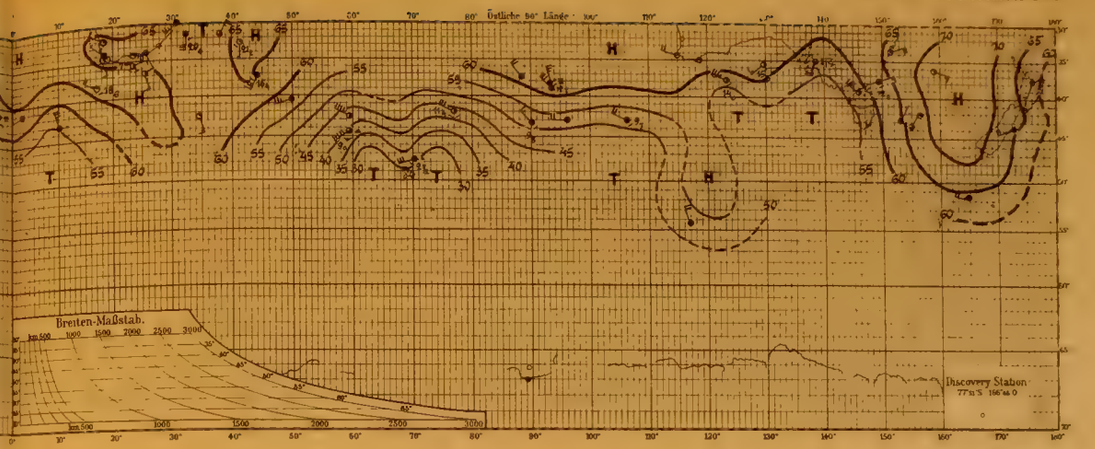


Tafel 36. *Nr. 106—108.*

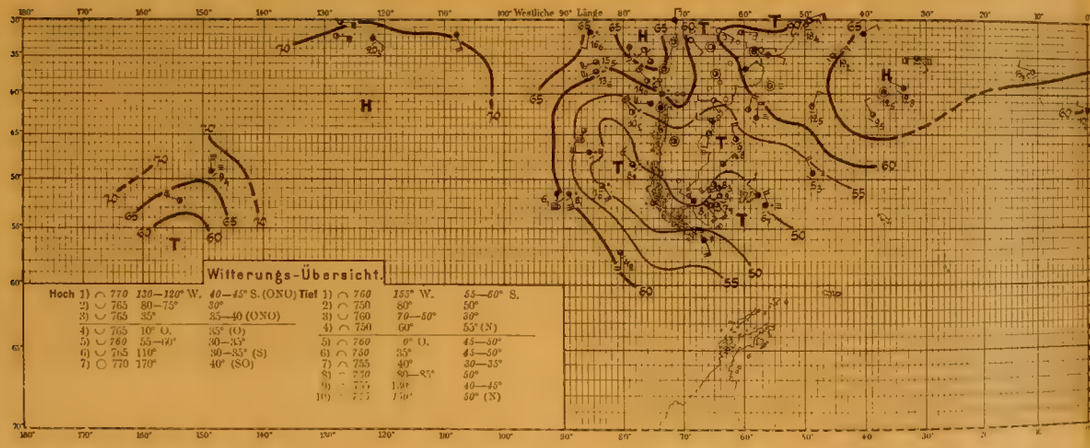
24.—26. November 1901.

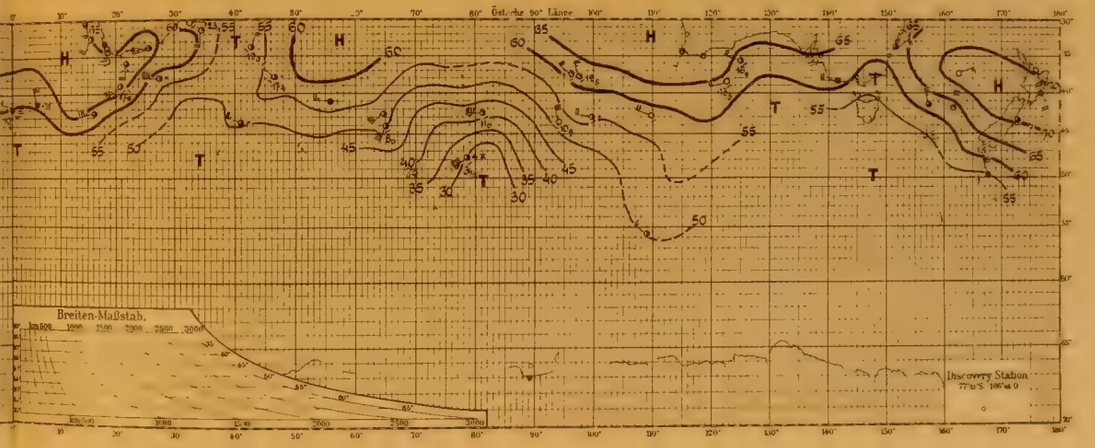
Nr. 106. 24. November 1901



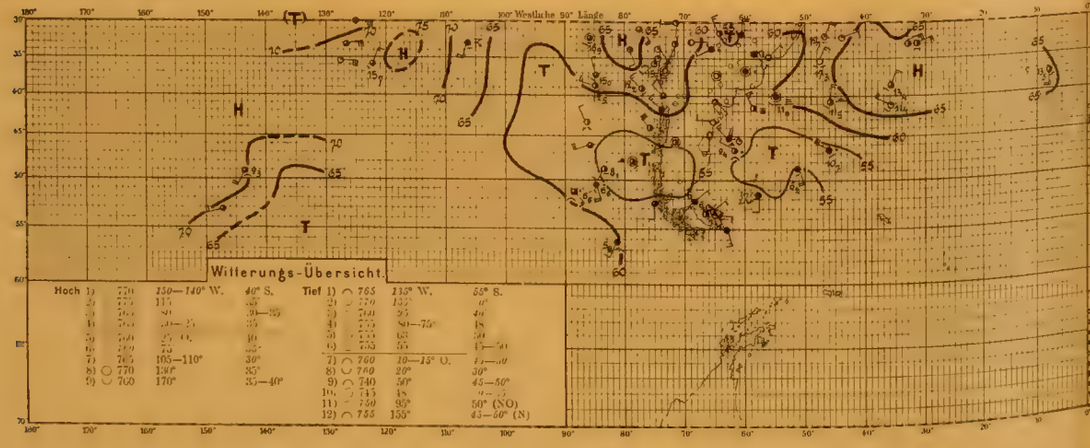


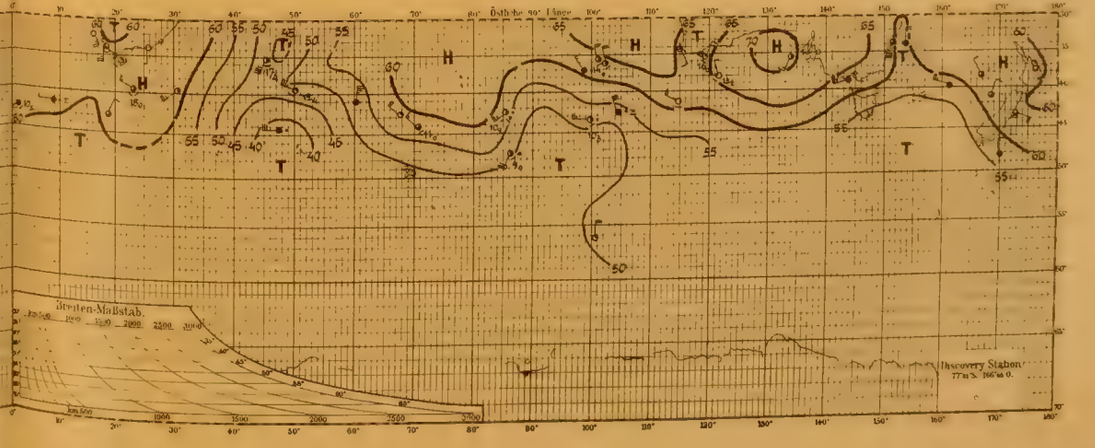
Nr. 107. 25. November 1901





Nr. 108. 26. November 1901

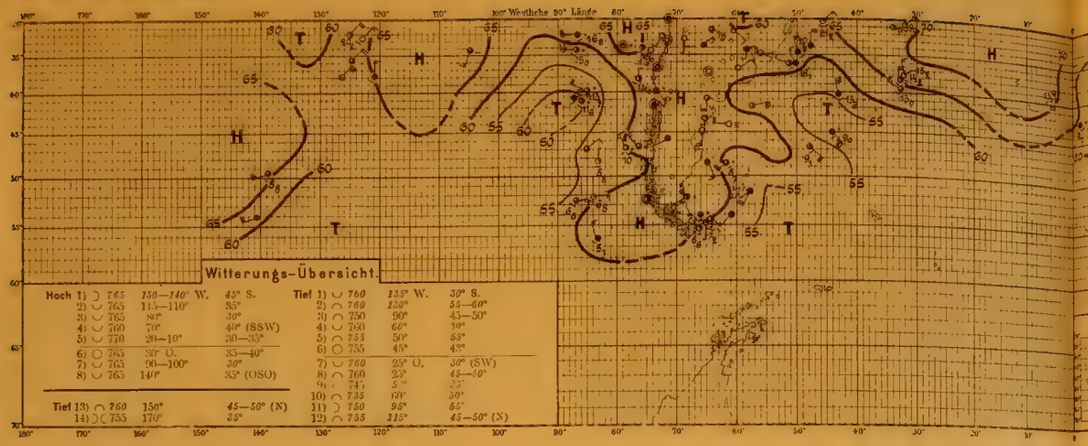


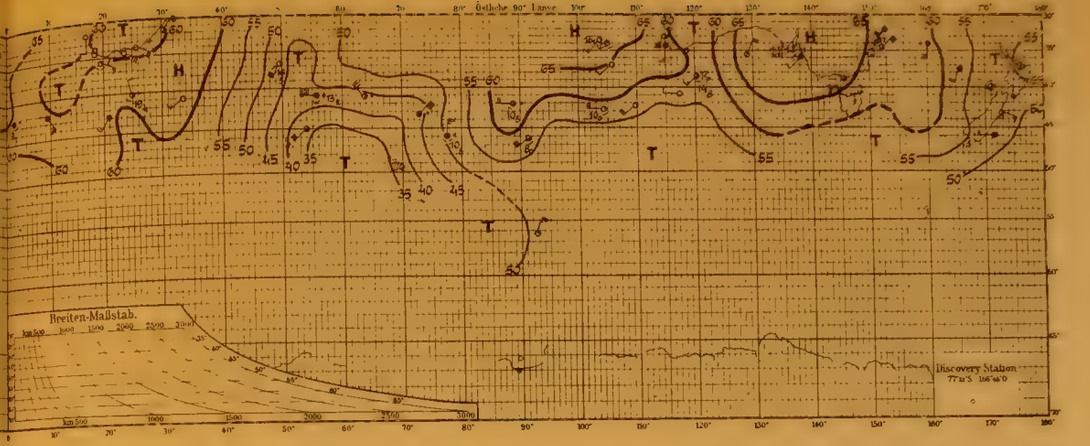


Tafel 37. Nr. 109—111.

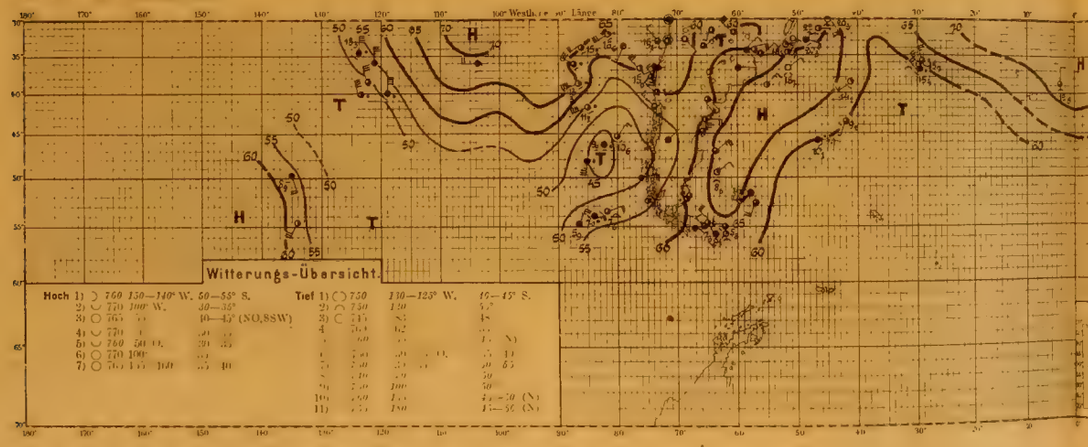
27.—29. November 1901.

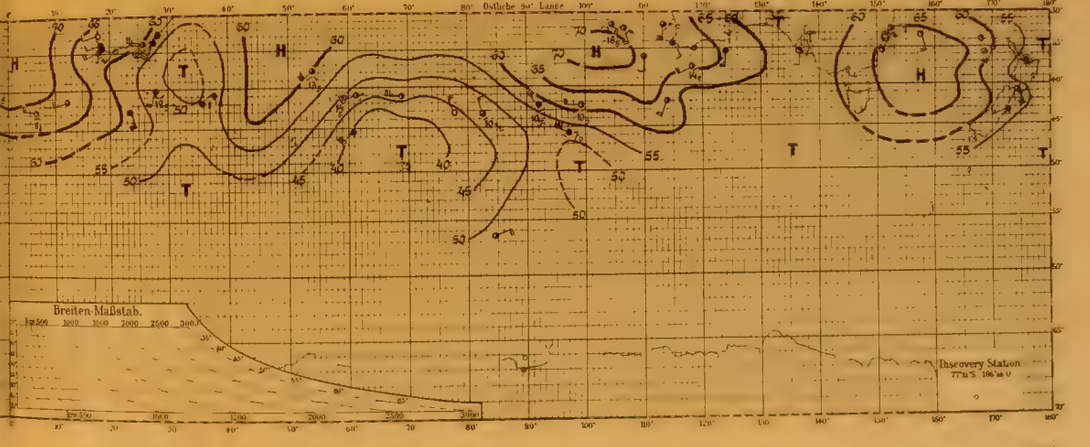
Nr. 109. 27. November 1901



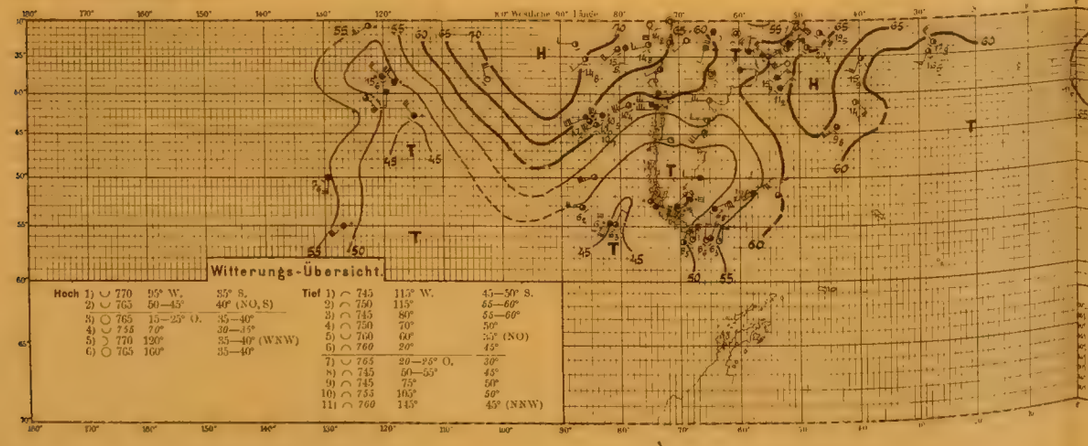


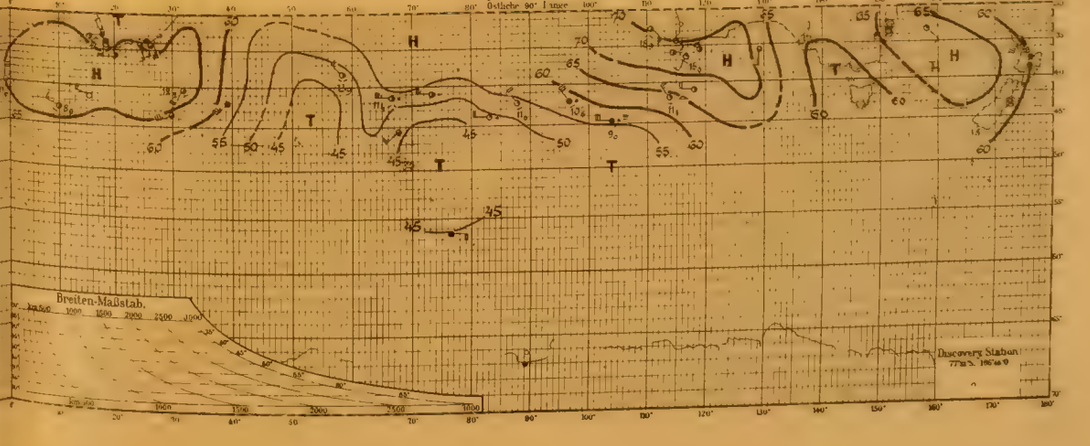
Nr. 110. 28. November 1901





Nr. 111. 29. November 1901





Tafel 38. Nr. 112—114.

30. November—2. Dezember 1901

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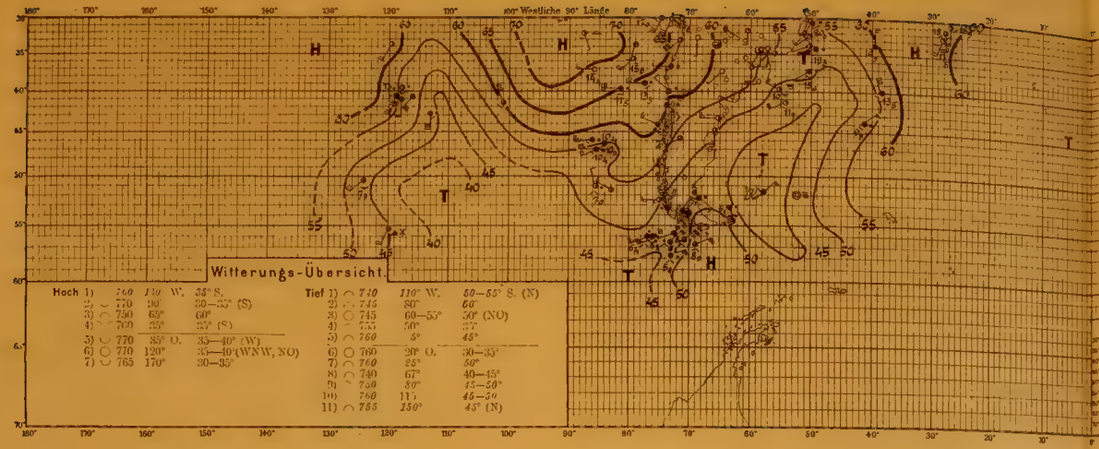
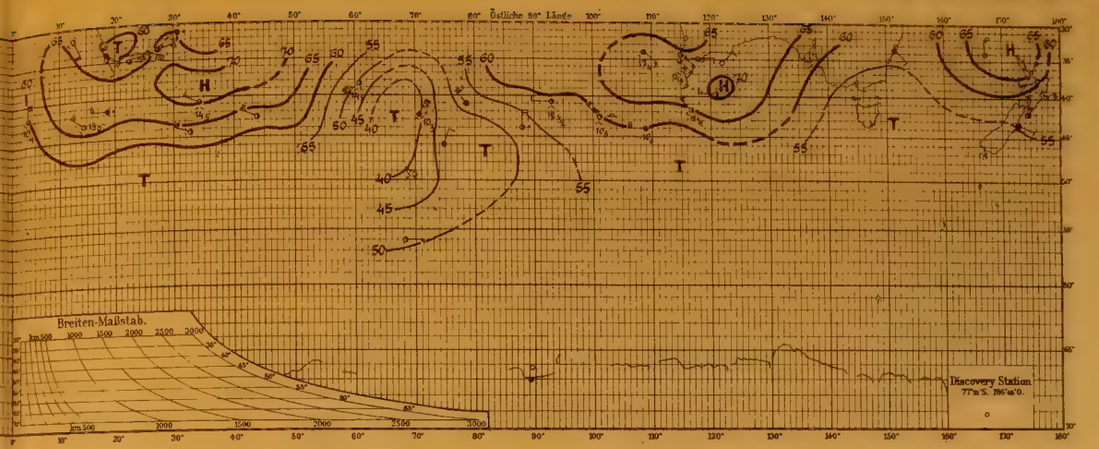
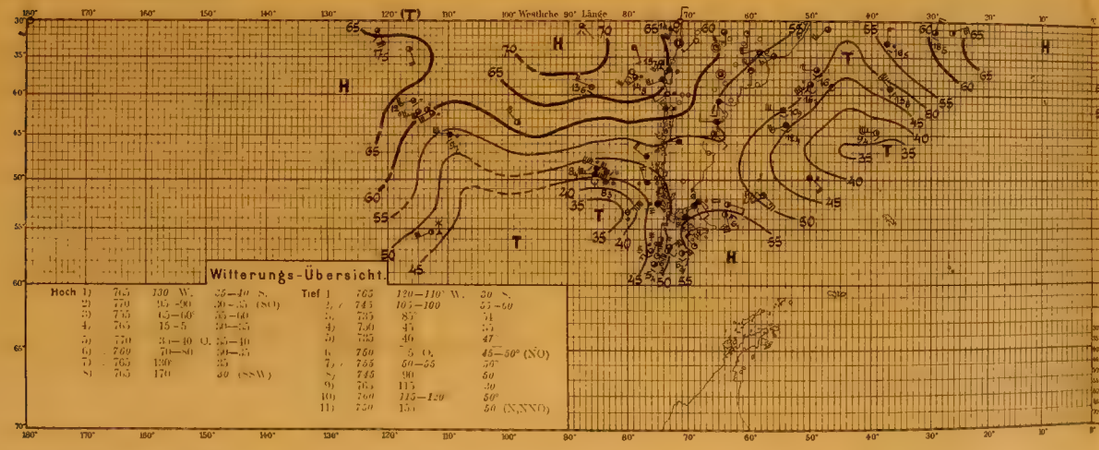
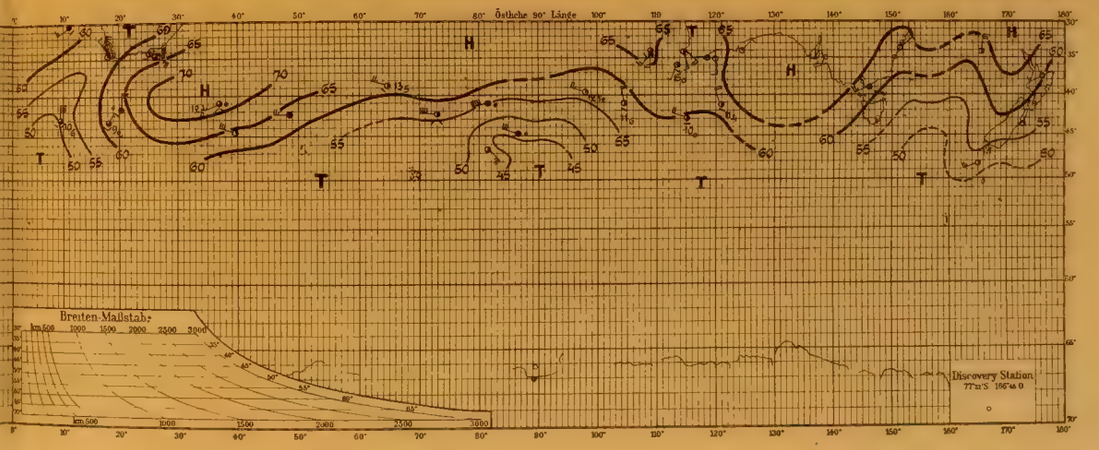
Nr. 112. 30. November 1901



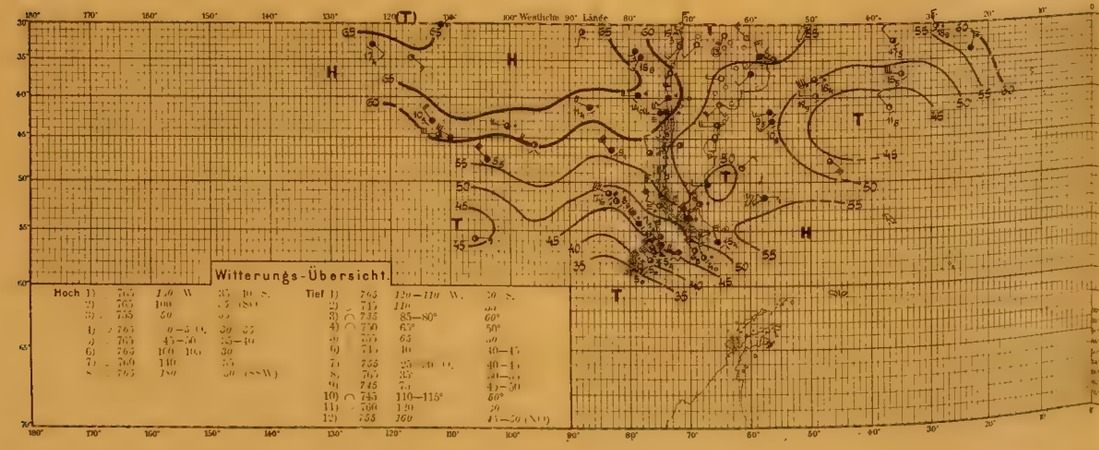


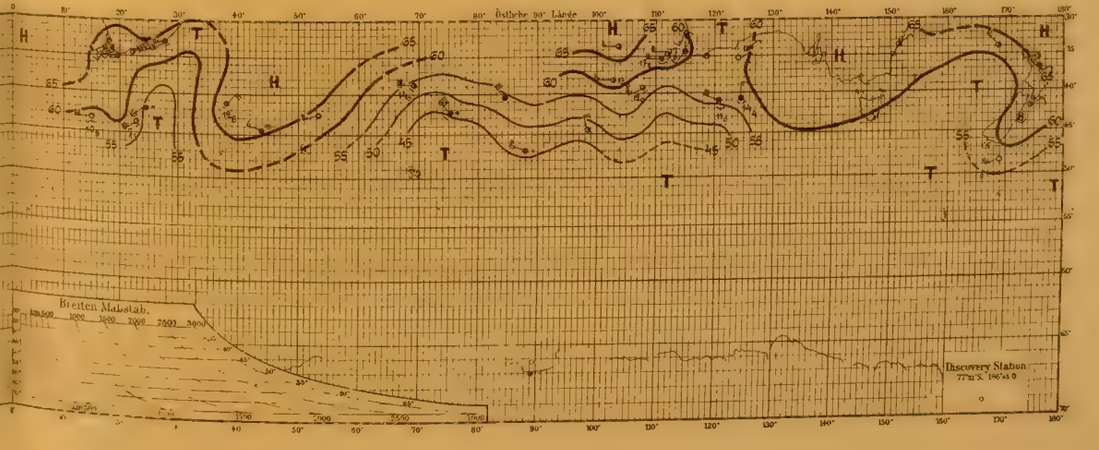
Nr. 113. 1. Dezember 1901





Nr. 114. 2. Dezember 1901

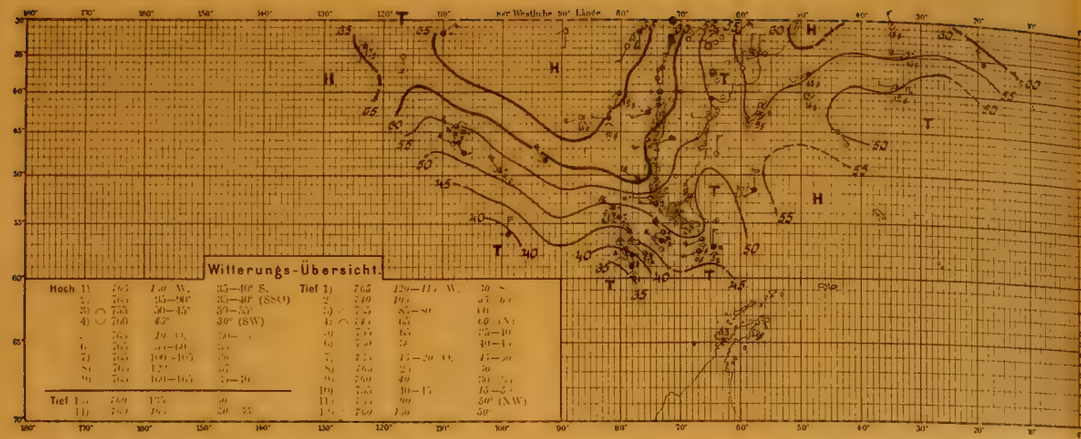




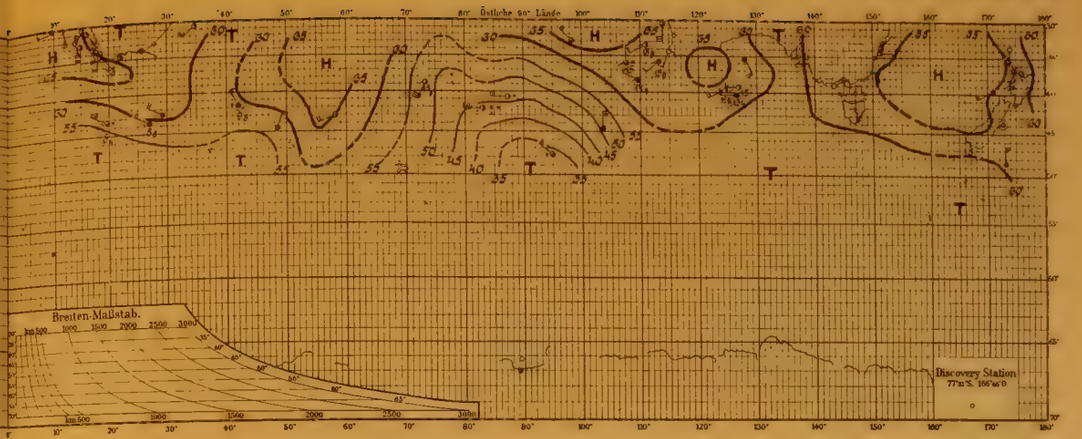
Tafel 39. Nr. 115—117.

3.—5. Dezember 1901.

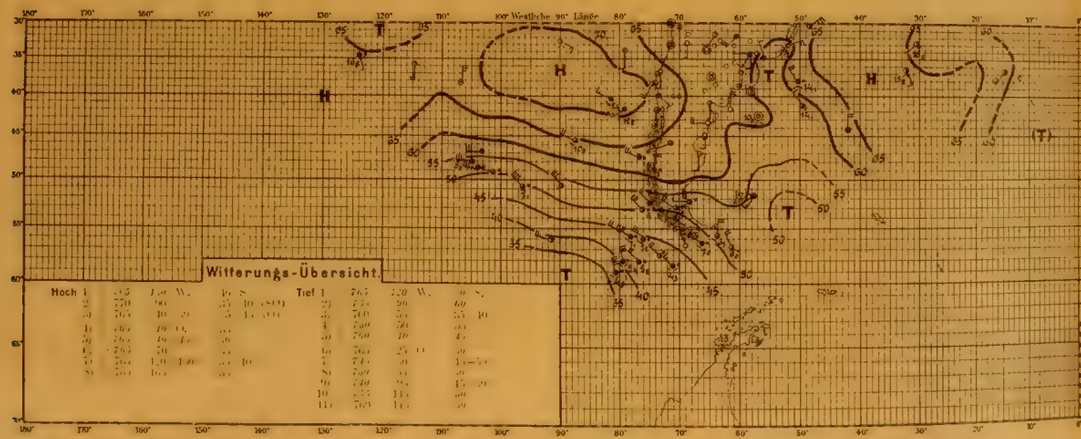
Nr. 115. 3. Dezember 1901



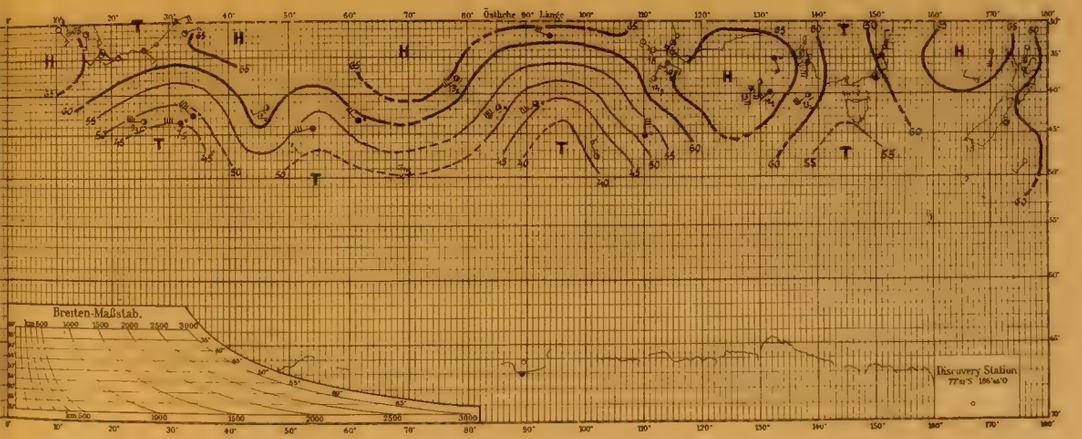
Nr. 115. 3. Dezember 1901



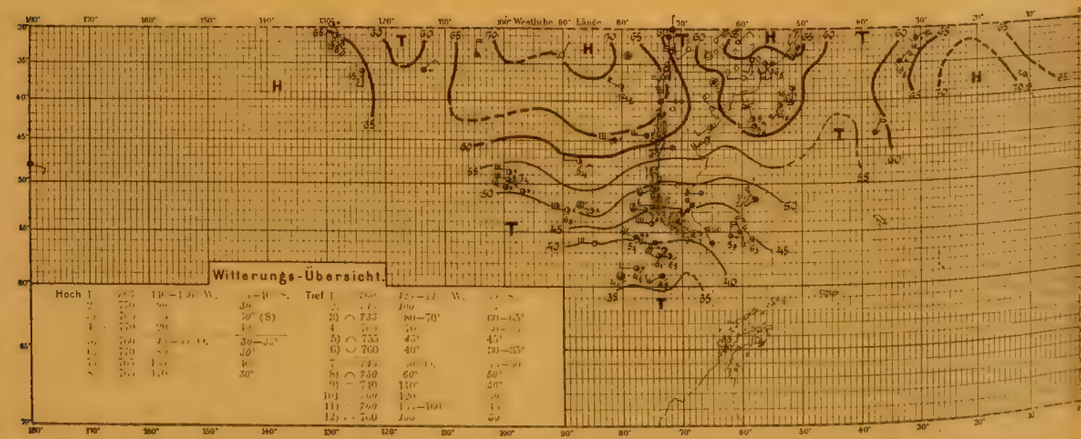
Nr. 116. 4. Dezember 1901



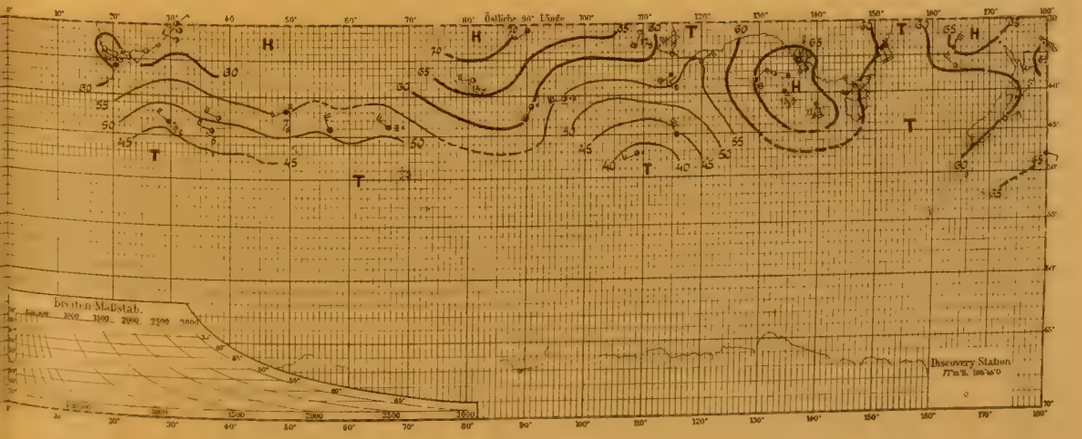
Nr. 116. 4. Dezember 1901



Nr. 117. 5. Dezember 1901



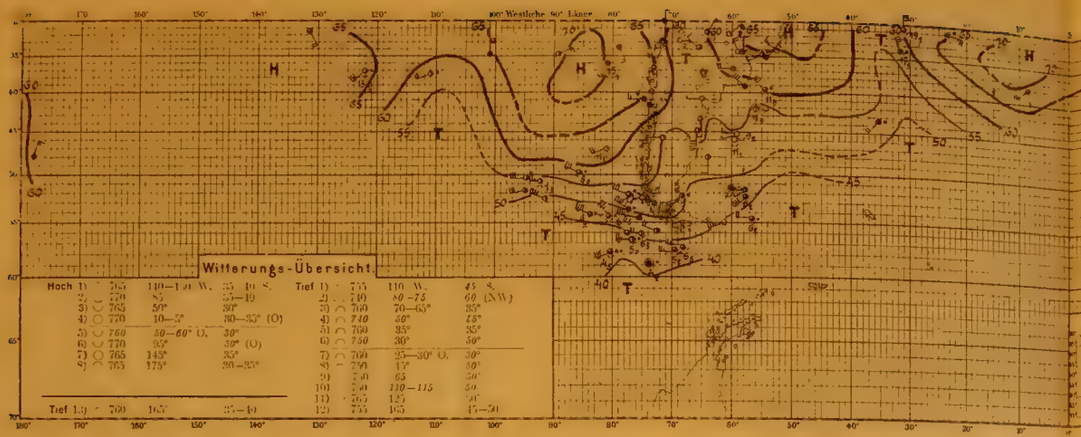
Nr. 117. 5. Dezember 1901



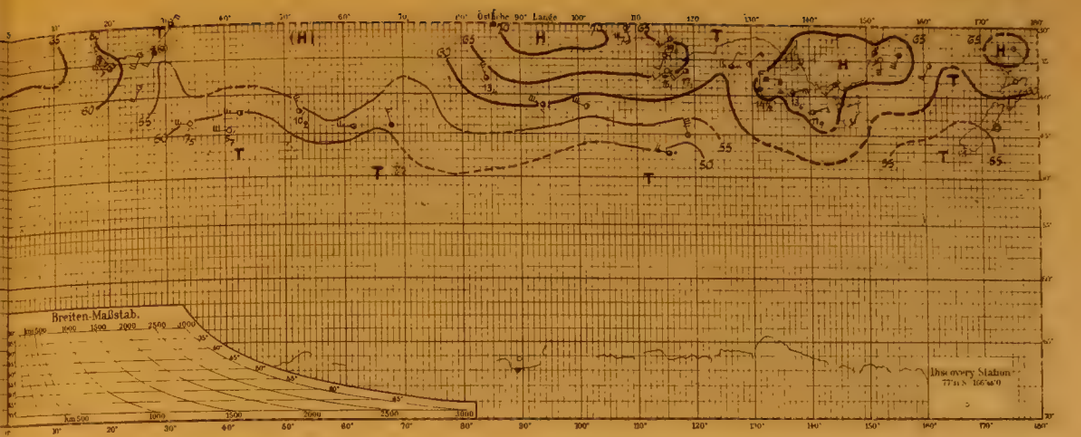
Tafel 40. *Nr. 118—120.*

6.—8. Dezember 1901.

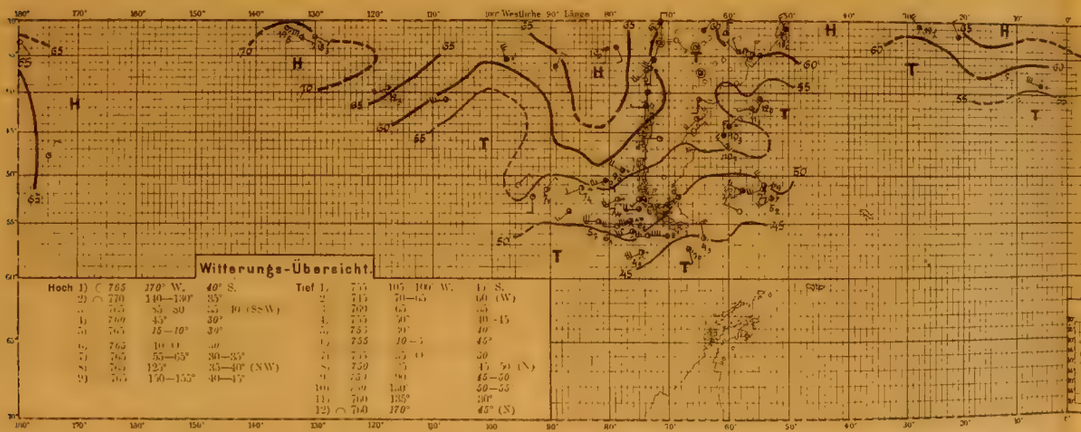
Nr. 118. 6. Dezember 1901



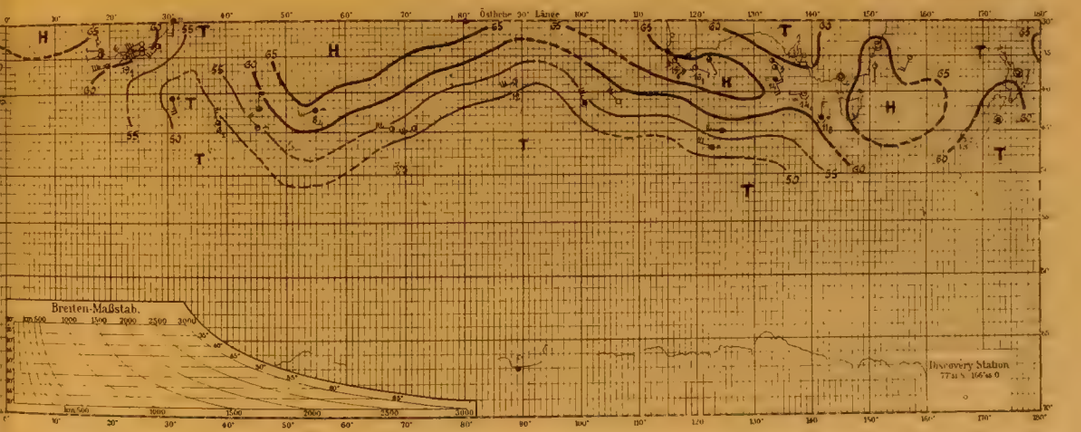
Nr. 118. 6. Dezember 1901



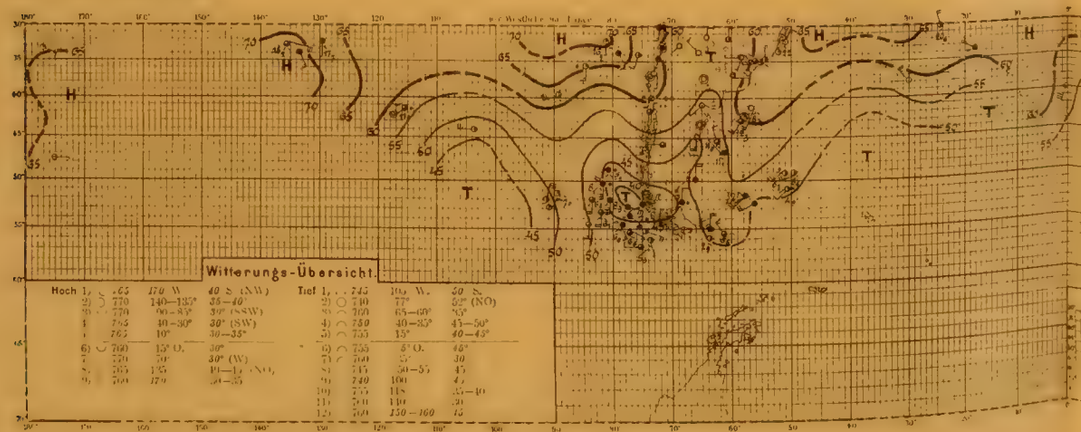
Nr. 119. 7. Dezember 1901



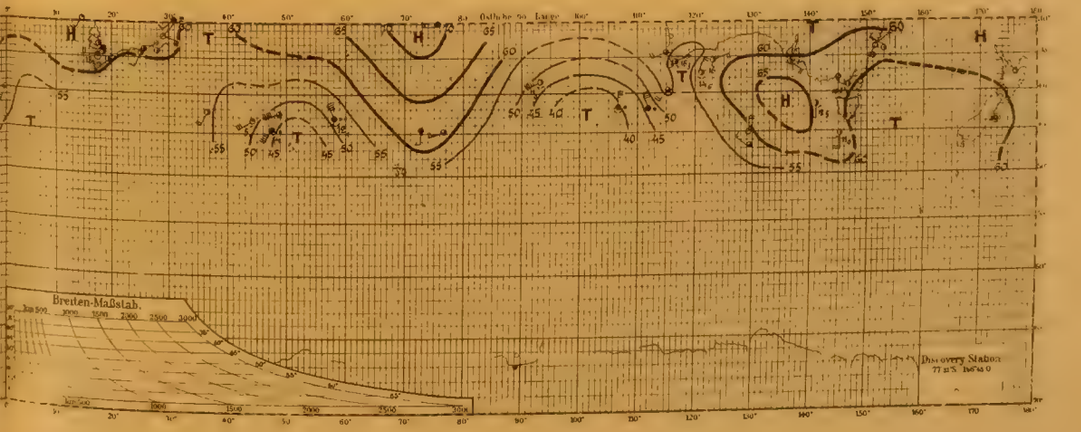
Nr. 119. 7. Dezember 1901



Nr. 120. 8. Dezember 1901



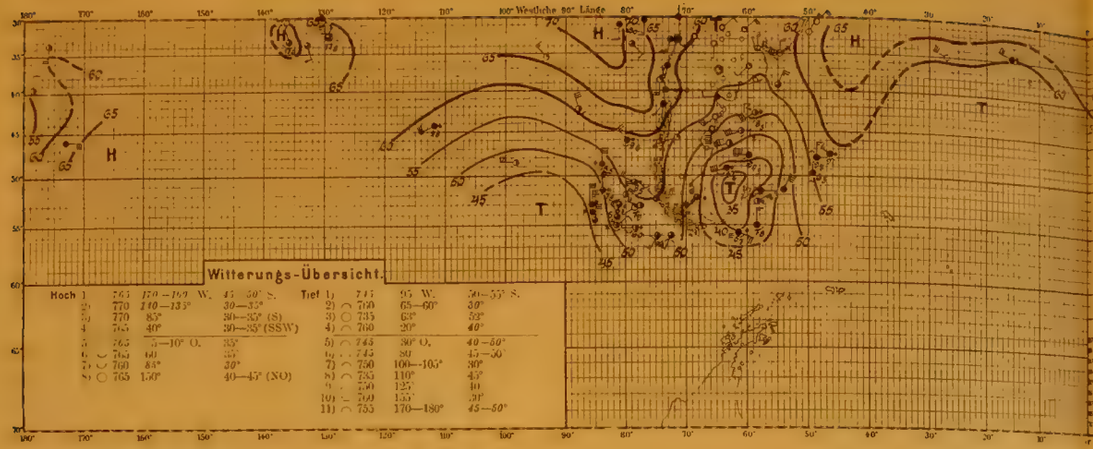
Nr. 120. 8. Dezember 1901

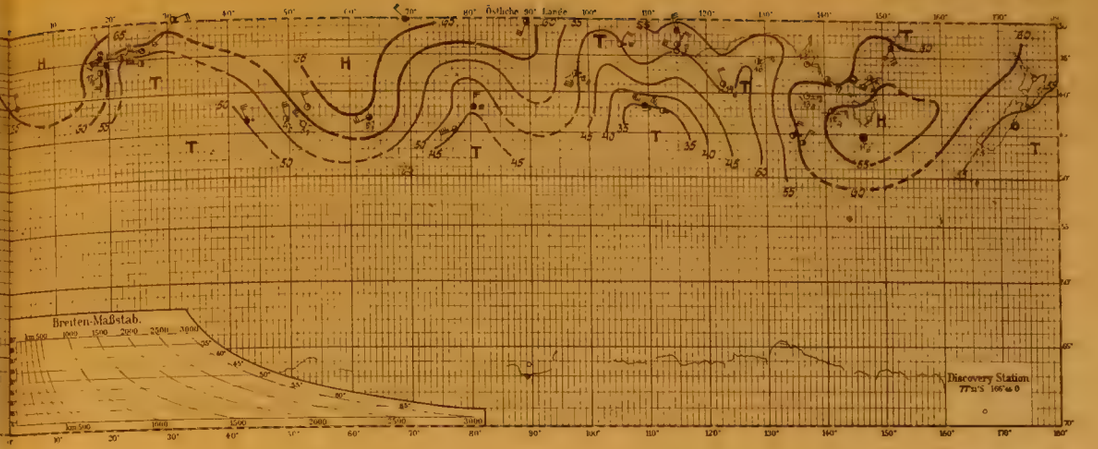


Tafel 41. *Nr. 121—123.*

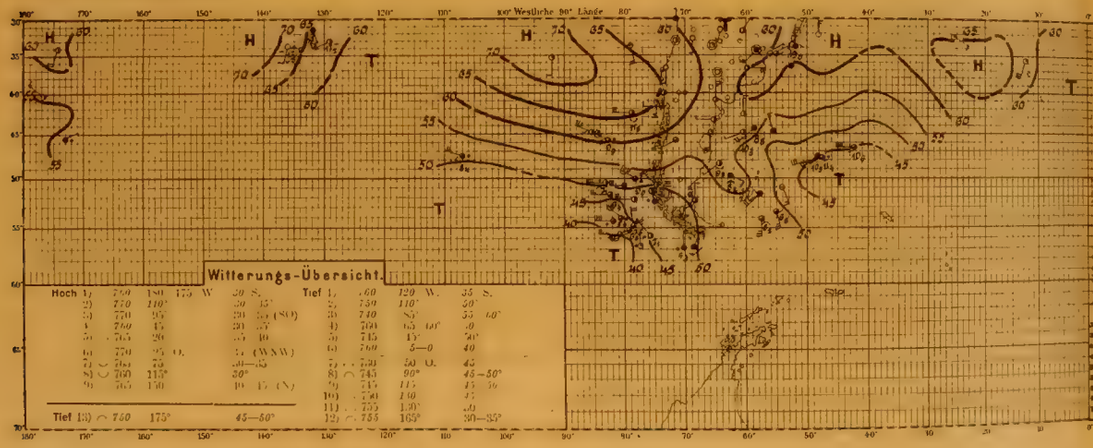
9.—11. Dezember 1901.

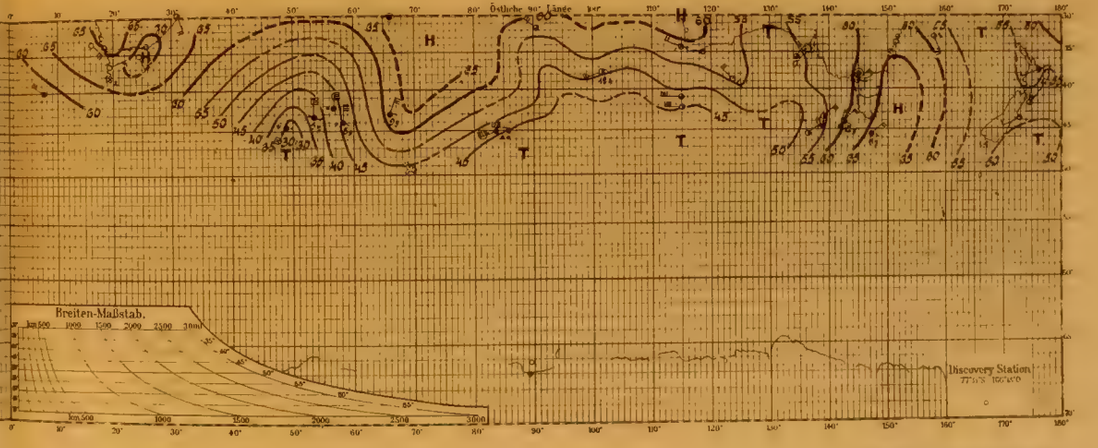
Nr. 121. 9. Dezember 1901



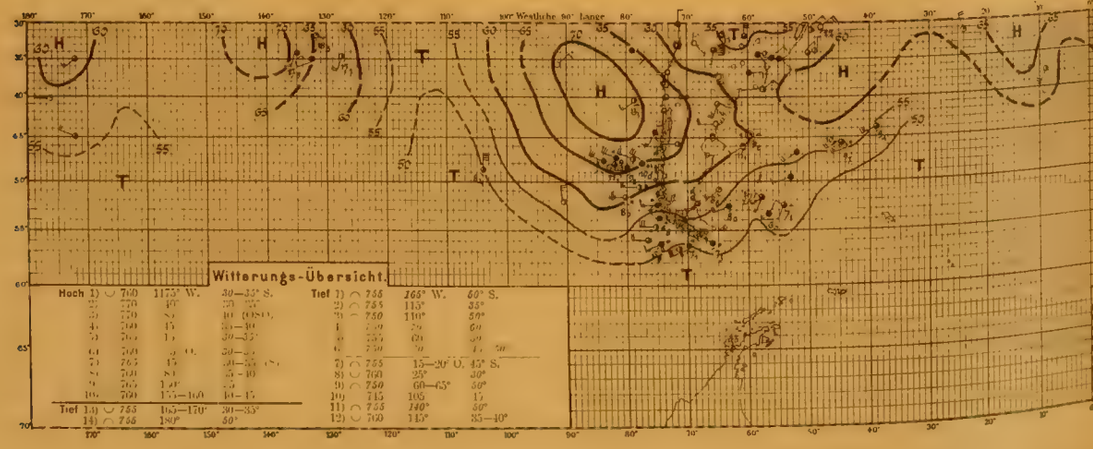


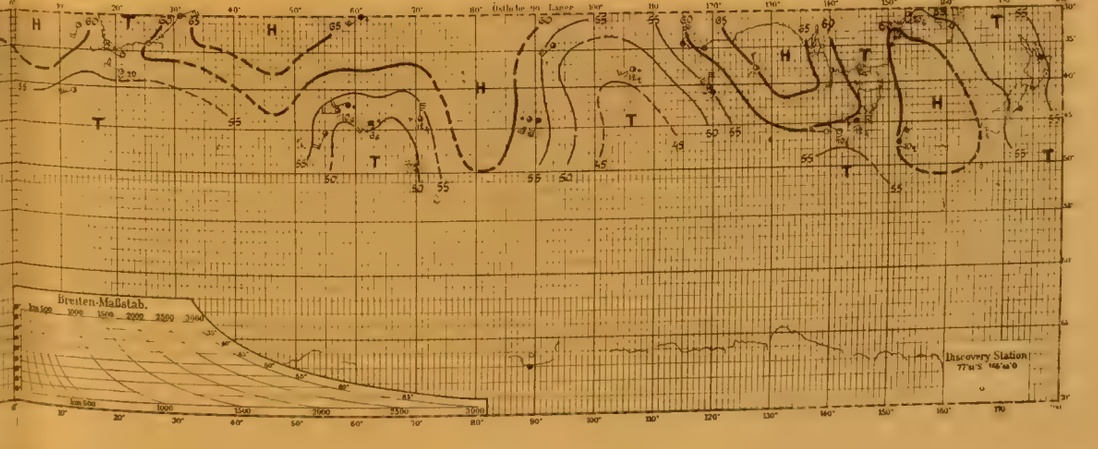
Nr. 122. 10. Dezember 1901





Nr. 123. 11. Dezember 1901

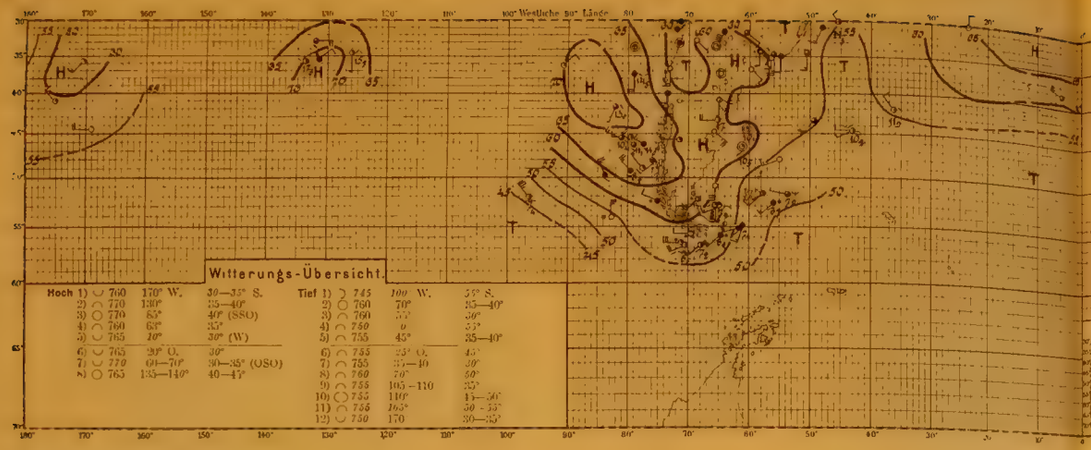


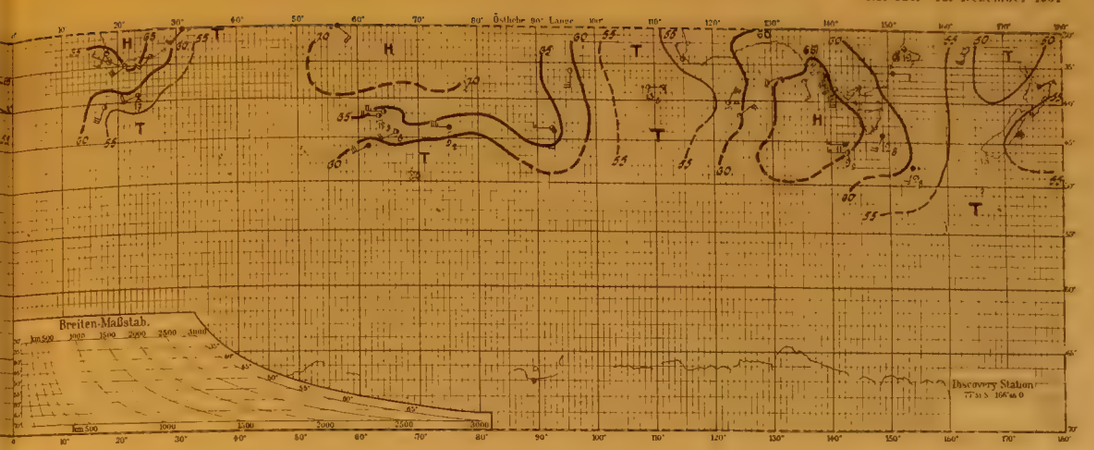


Tafel 42. Nr. 124—126.

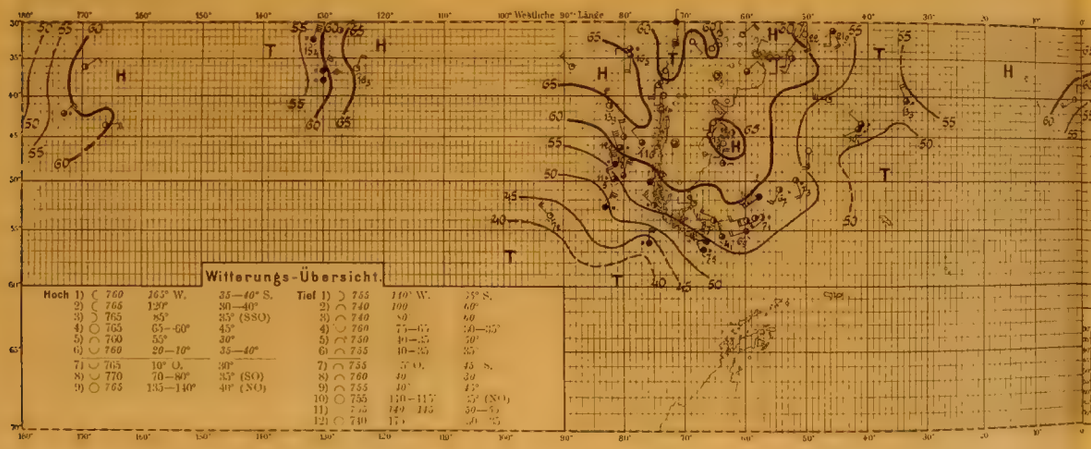
12.—14. Dezember 1901.

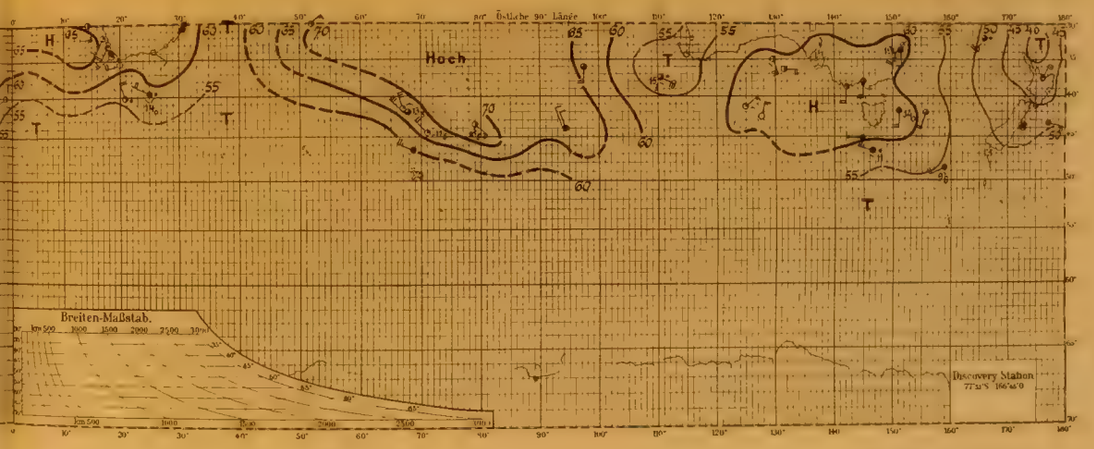
Nr. 124. 12. Dezember 1901



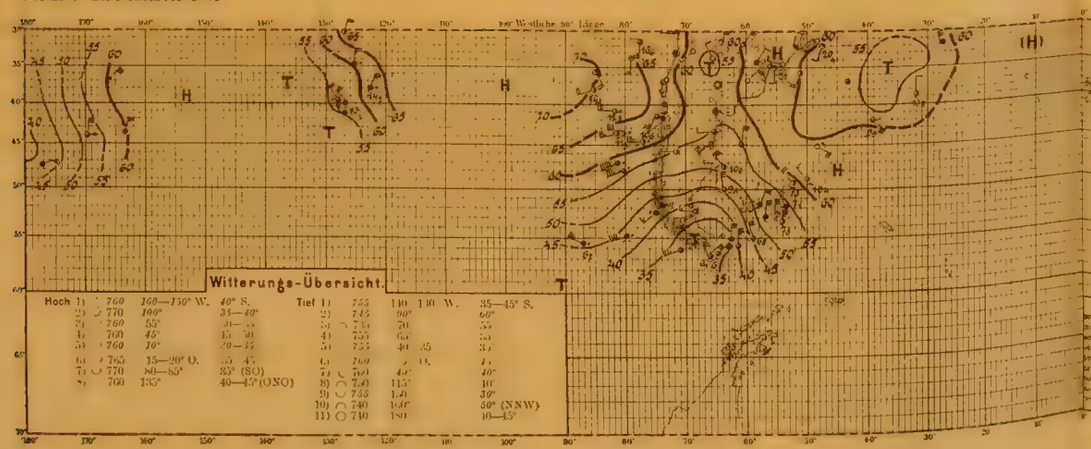


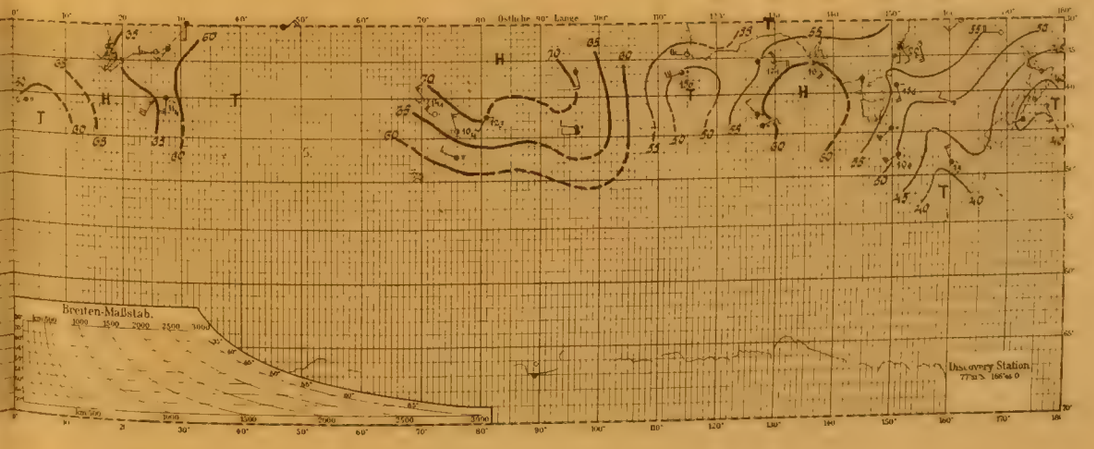
Nr. 125. 13. Dezember 1901





Nr. 126. 14. Dezember 1901

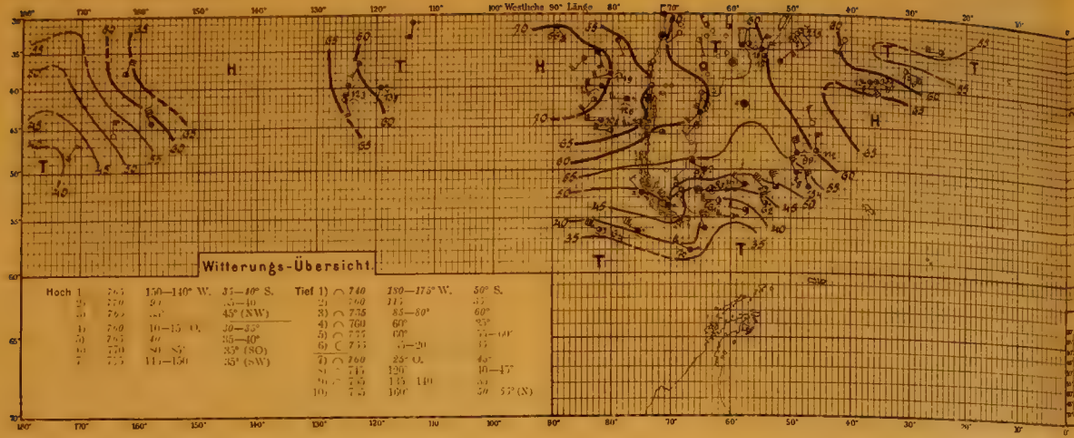




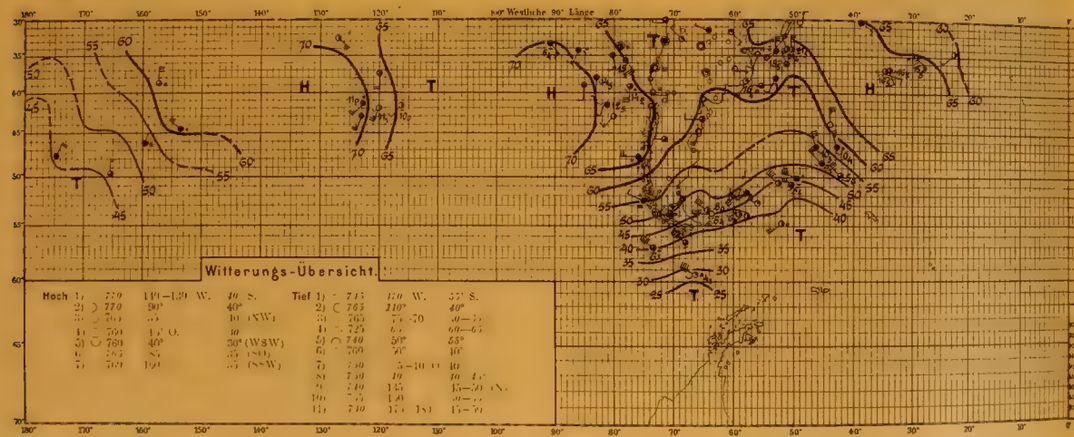
Tafel 43. *Nr. 127—129.*

15.—17. Dezember 1901.

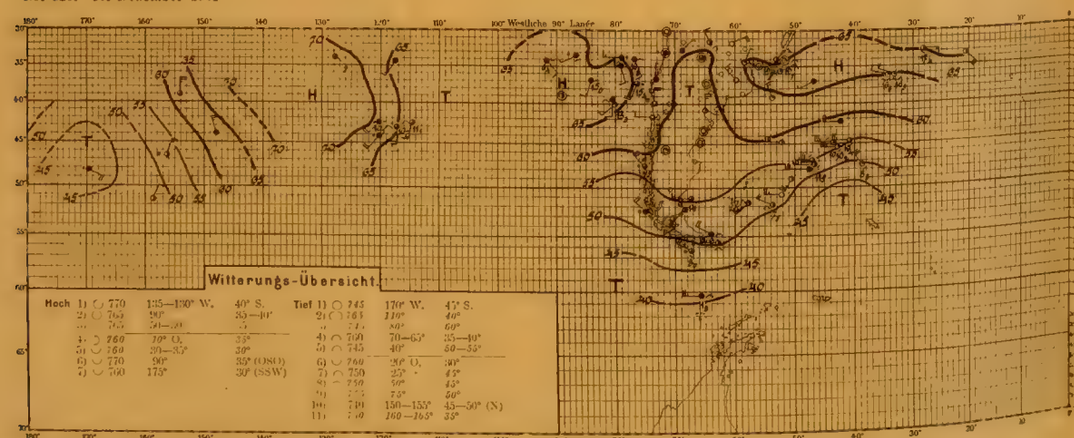
Nr. 127. 15. Dezember 1901



Nr. 128. 16. Dezember 1901



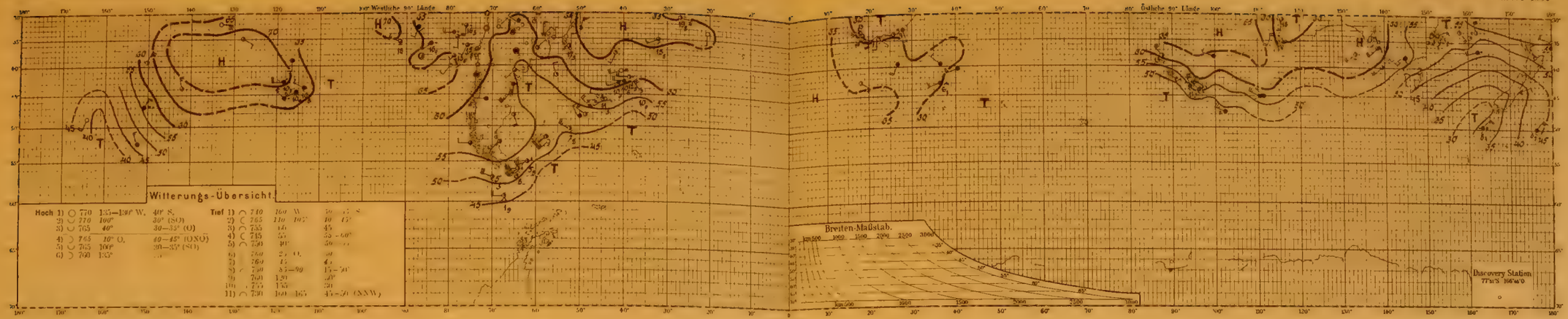
Nr. 129. 17. Dezember 1901



Tafel 44. Nr. 130–132.

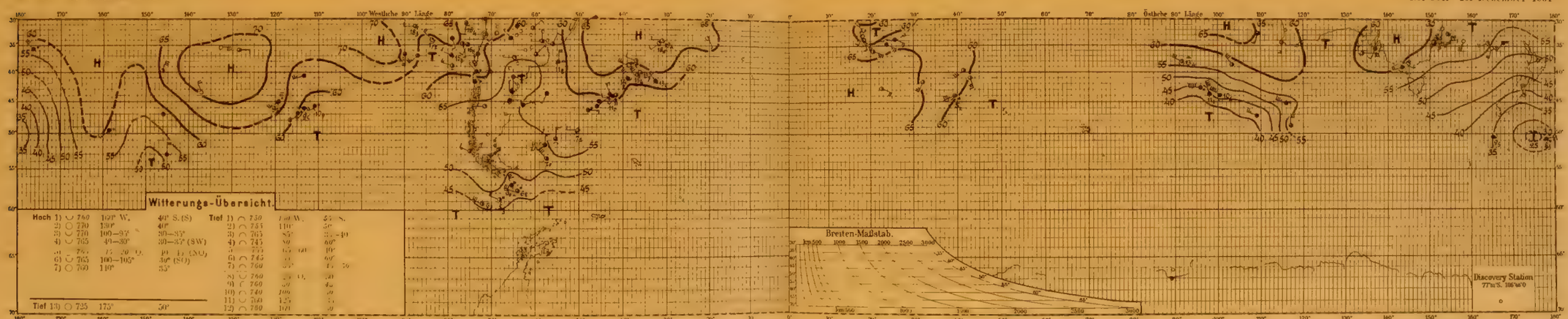
18.–20. Dezember 1901.

Nr. 130. 18. Dezember 1901



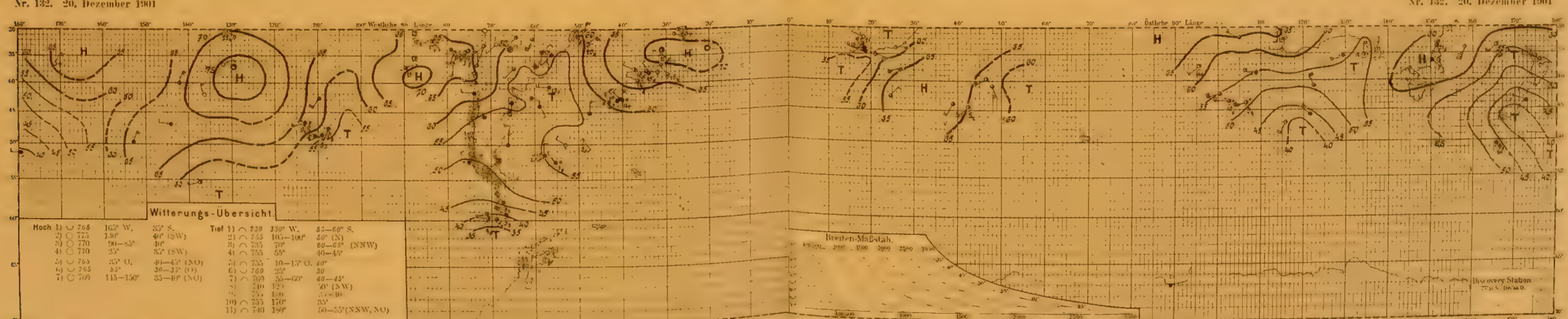
Nr. 130. 18. Dezember 1901

Nr. 131. 19. Dezember 1901



Nr. 131. 19. Dezember 1901

Nr. 132. 20. Dezember 1901

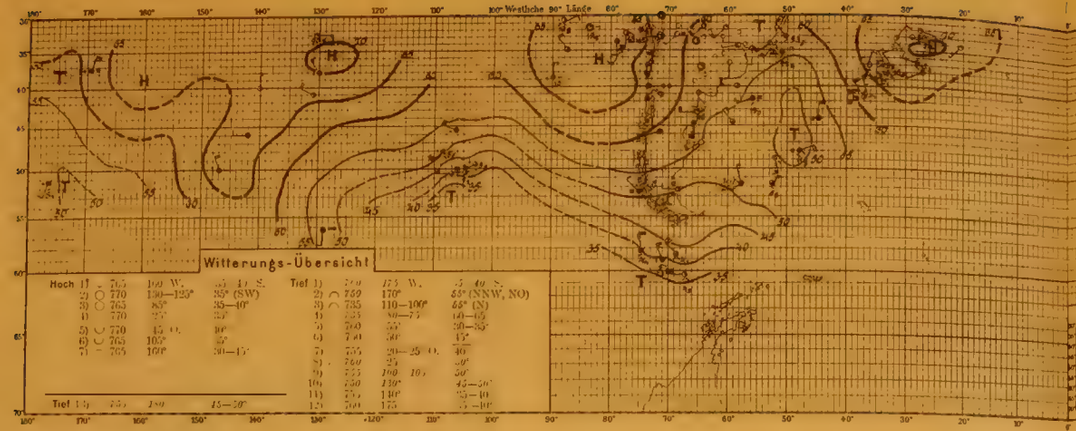


Nr. 132. 20. Dezember 1901

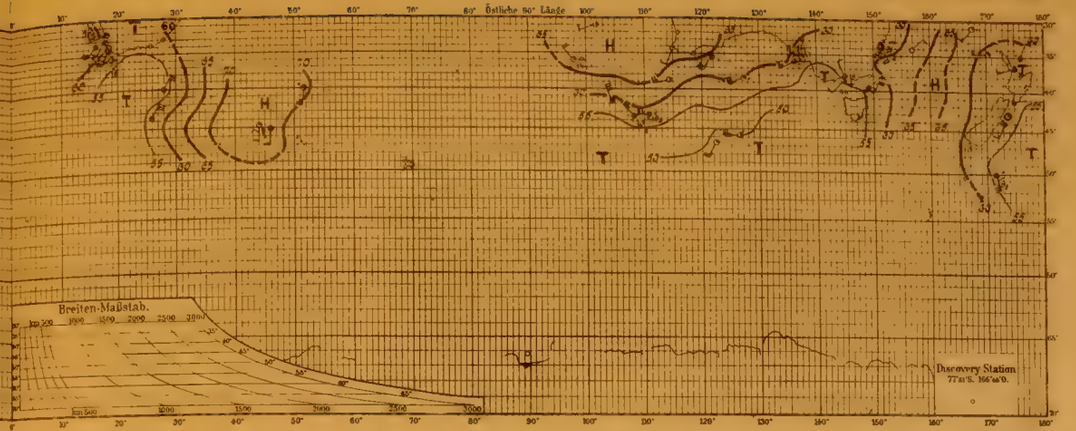
Tafel 45. Nr. 133—135.

21.—23. Dezember 1901.

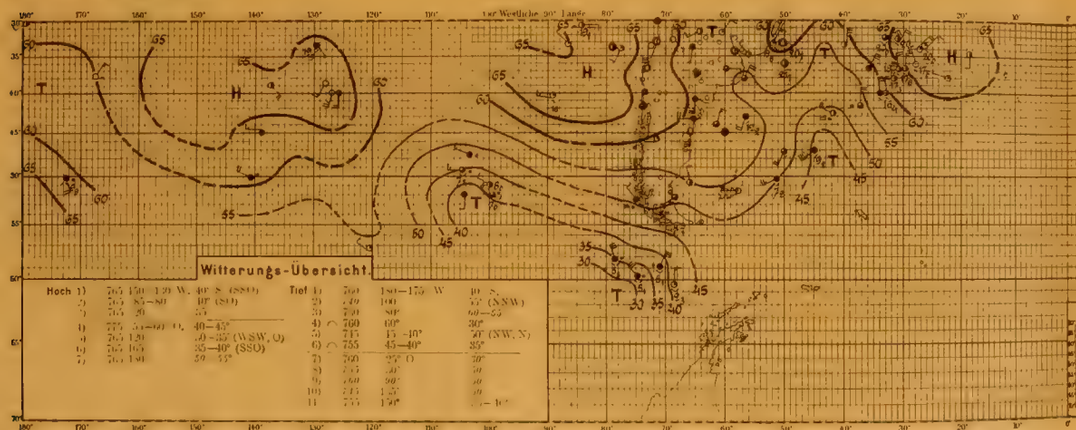
Nr. 133. 21. Dezember 1901



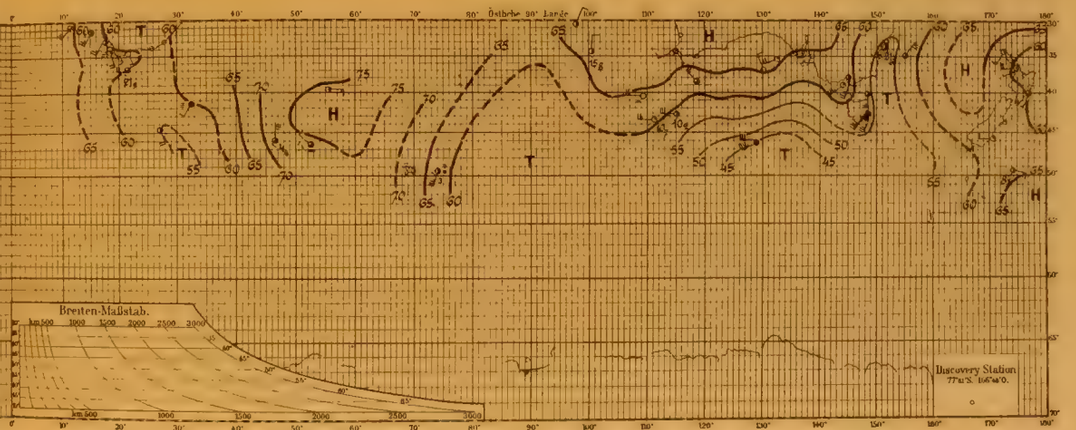
Nr. 133. 21. Dezember 1901



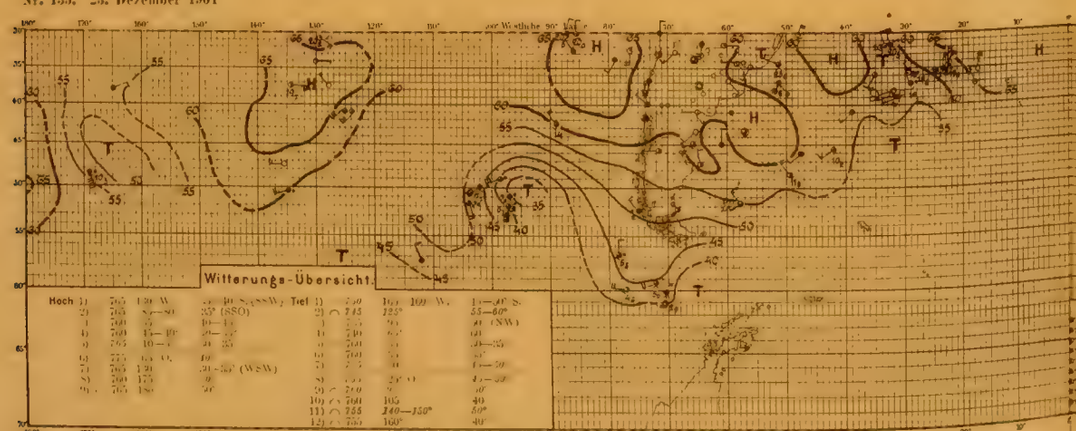
Nr. 134. 22. Dezember 1901



Nr. 134. 22. Dezember 1901



Nr. 135. 23. Dezember 1901

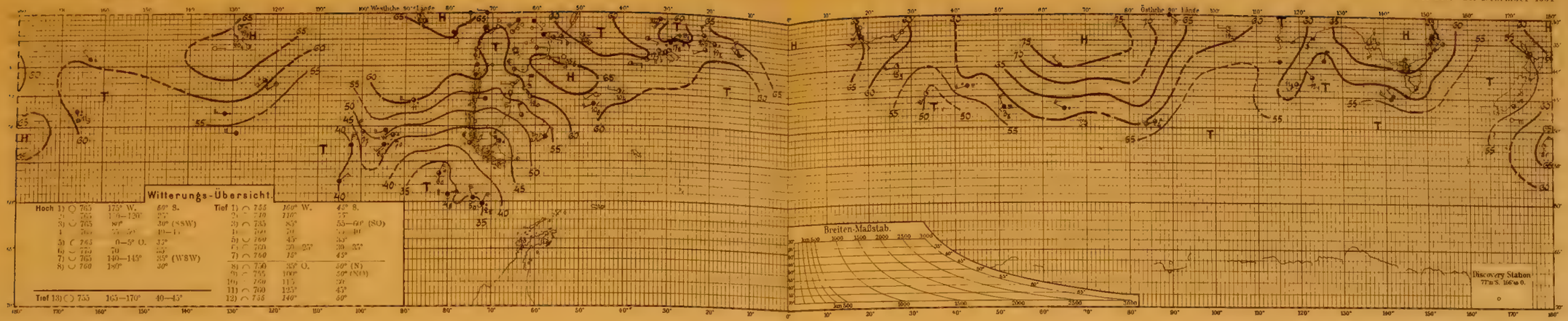


Nr. 135. 23. Dezember 1901

Tafel 46. Nr. 136—138.

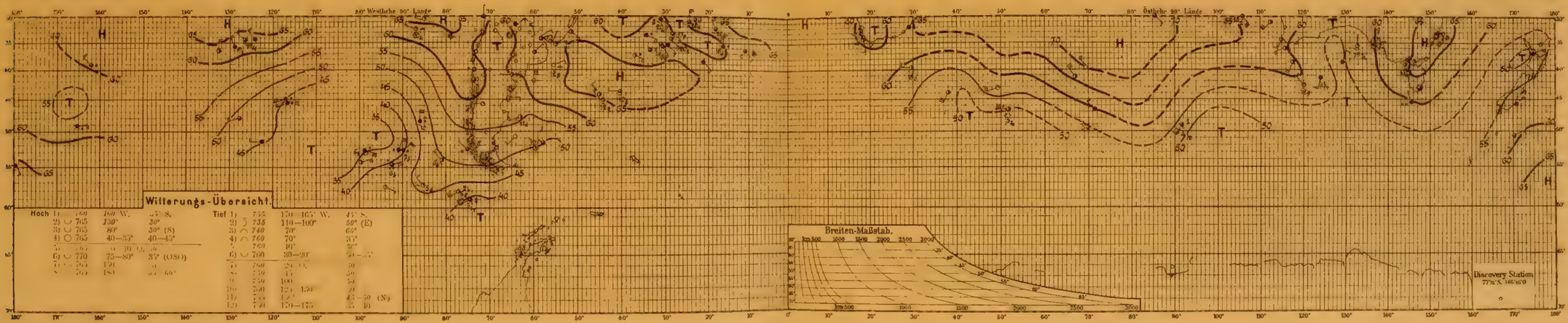
24.—26. Dezember 1901.

Nr. 136. 24. Dezember 1901



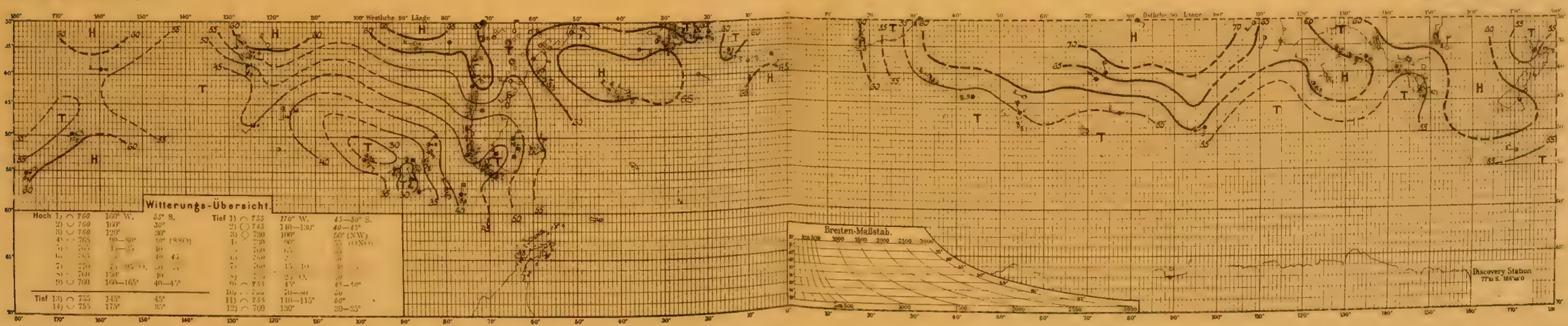
Nr. 136. 24. Dezember 1901

Nr. 137. 25. Dezember 1901



Nr. 137. 25. Dezember 1901

Nr. 138. 26. Dezember 1901

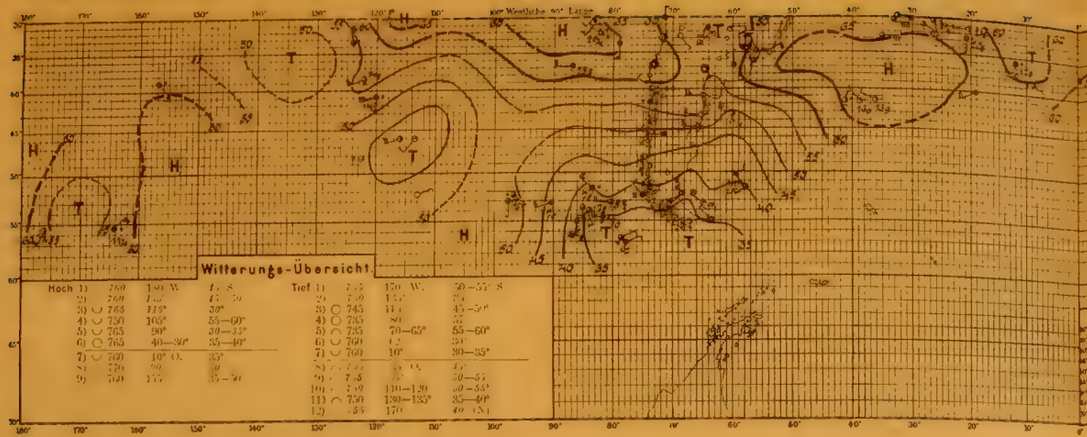


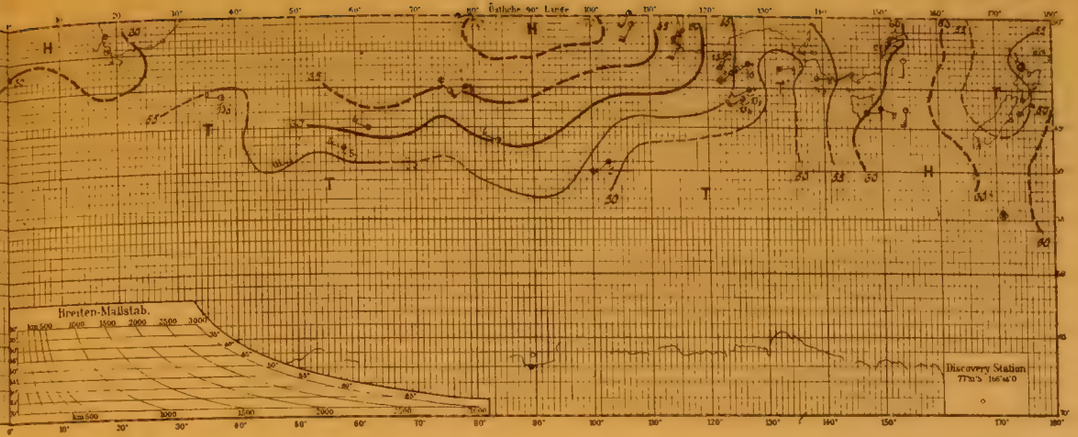
Nr. 138. 26. Dezember 1901

Tafel 47. Nr. 139—141.

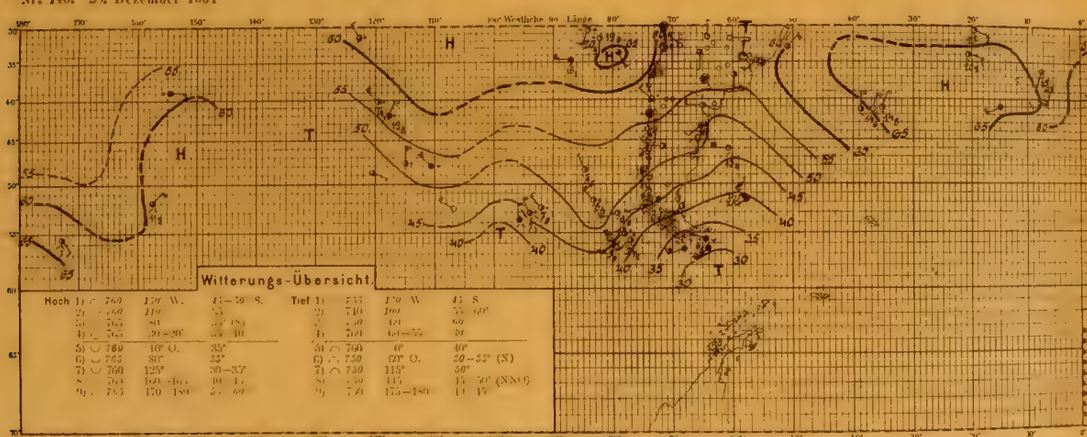
27.—29. Dezember 1901.

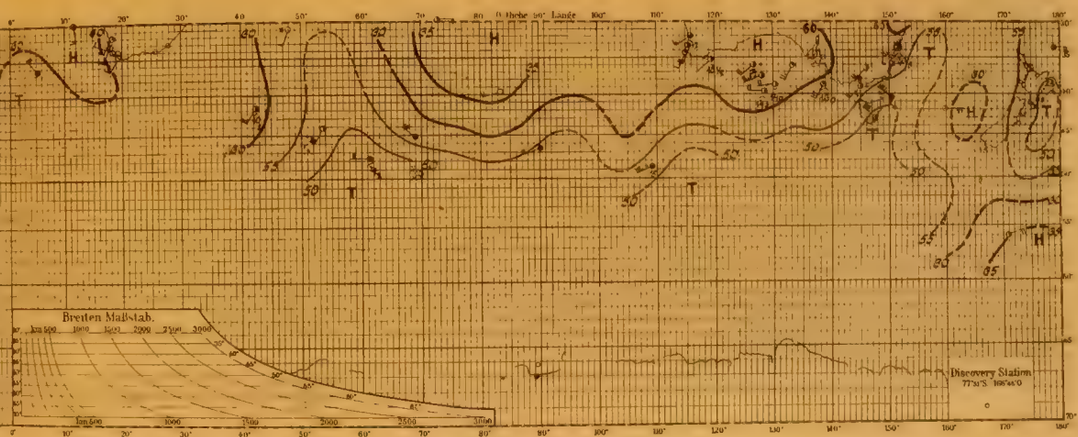
Nr. 139. 27. Dezember 1901



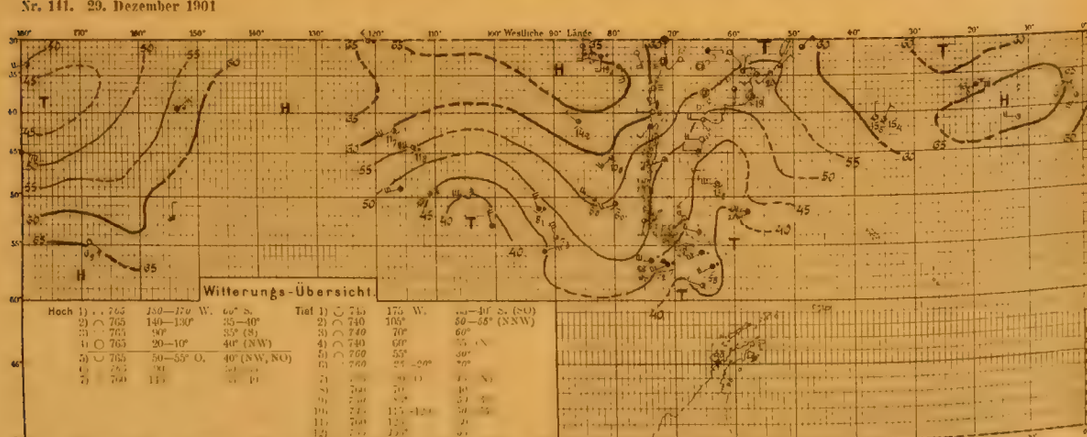


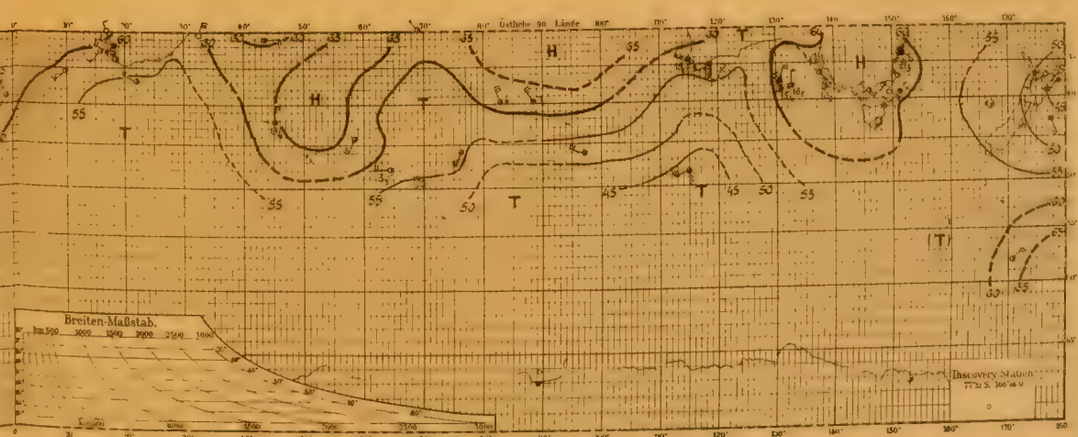
Nr. 140. 28. Dezember 1901



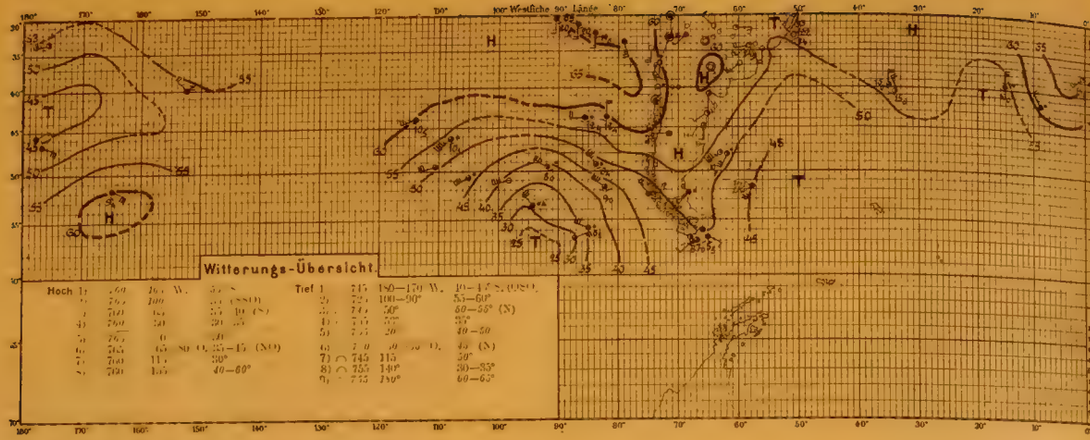


Nr. 141. 29. Dezember 1901

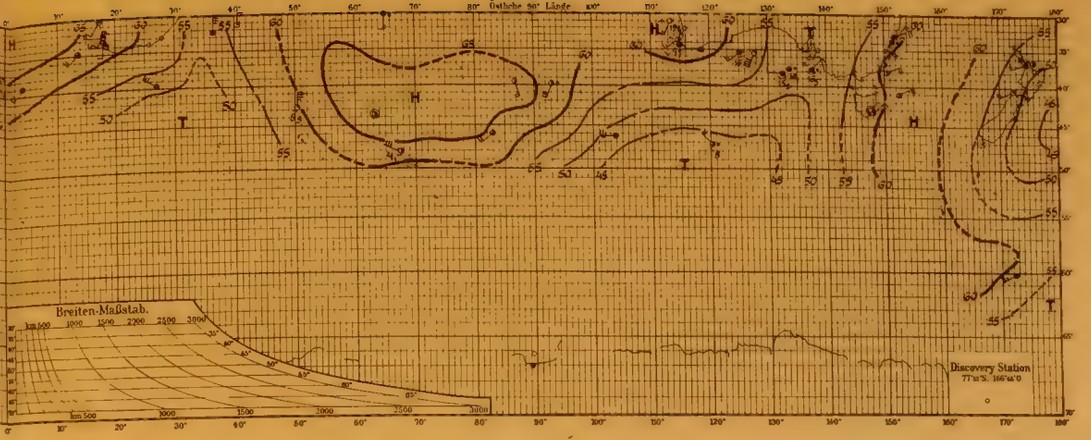




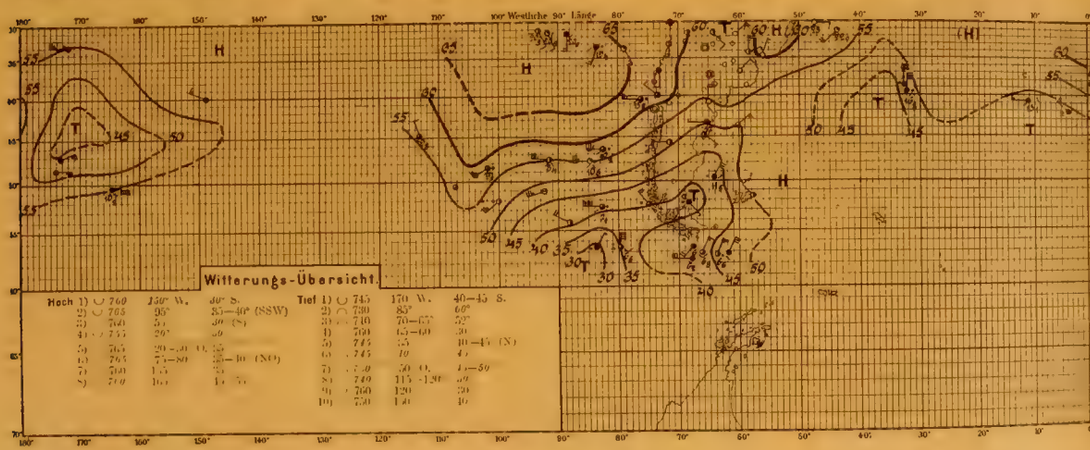
Nr. 142. 30. Dezember 1901



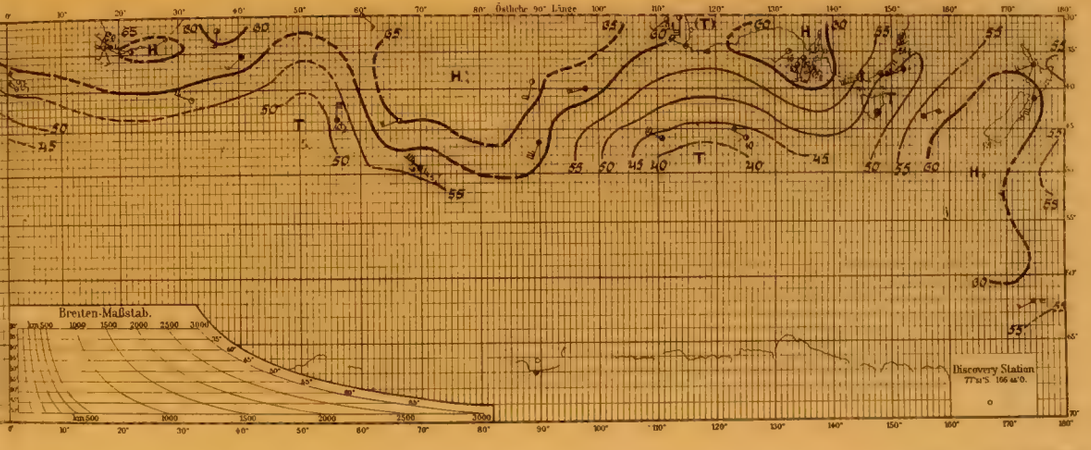
Nr. 142. 30. Dezember 1901



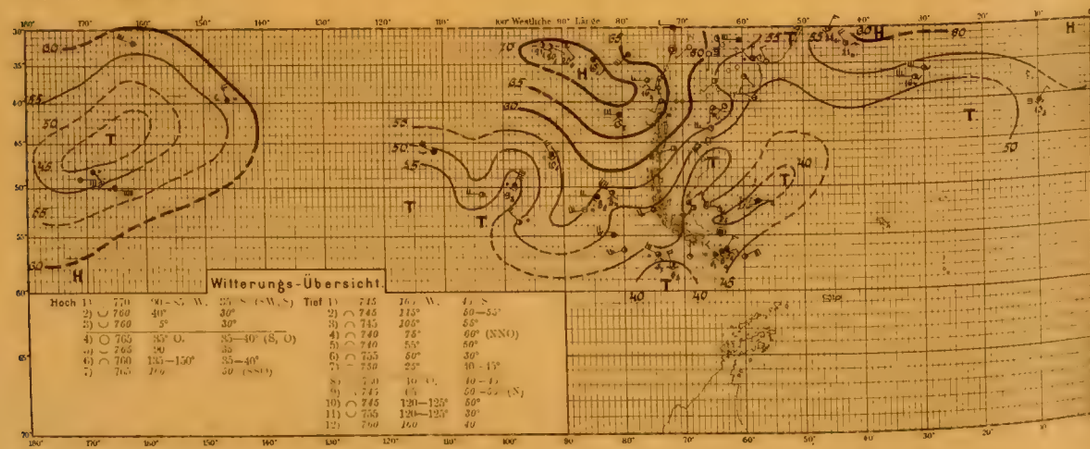
Nr. 143. 31. Dezember 1901



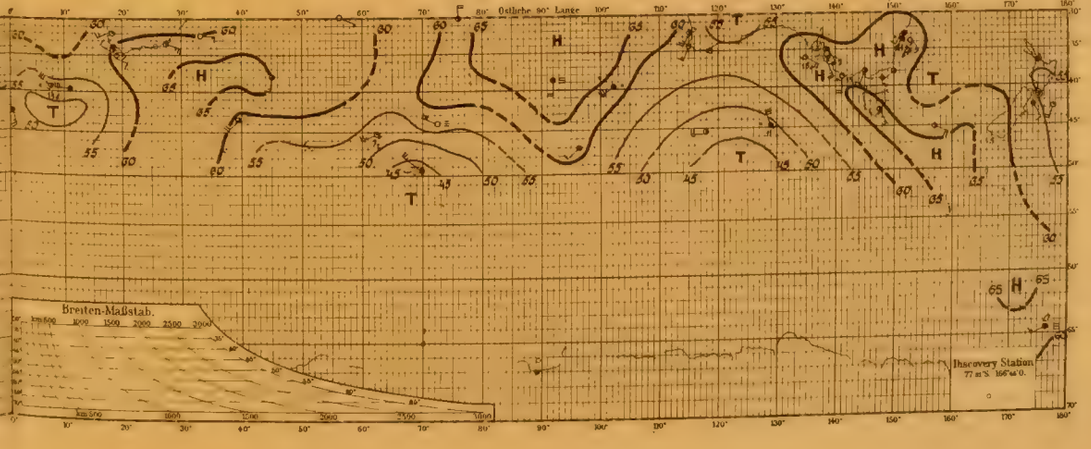
Nr. 143. 31. Dezember 1901



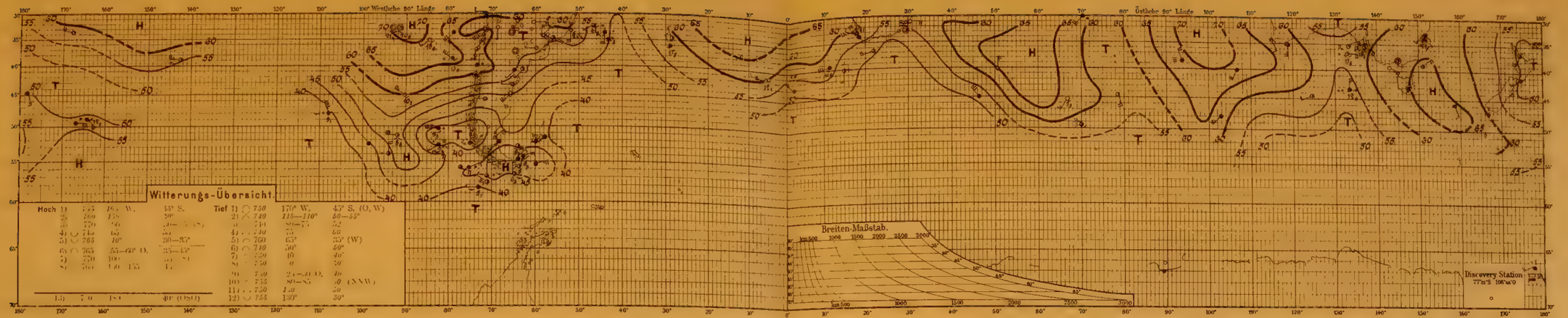
Nr. 144. 1. Januar 1902



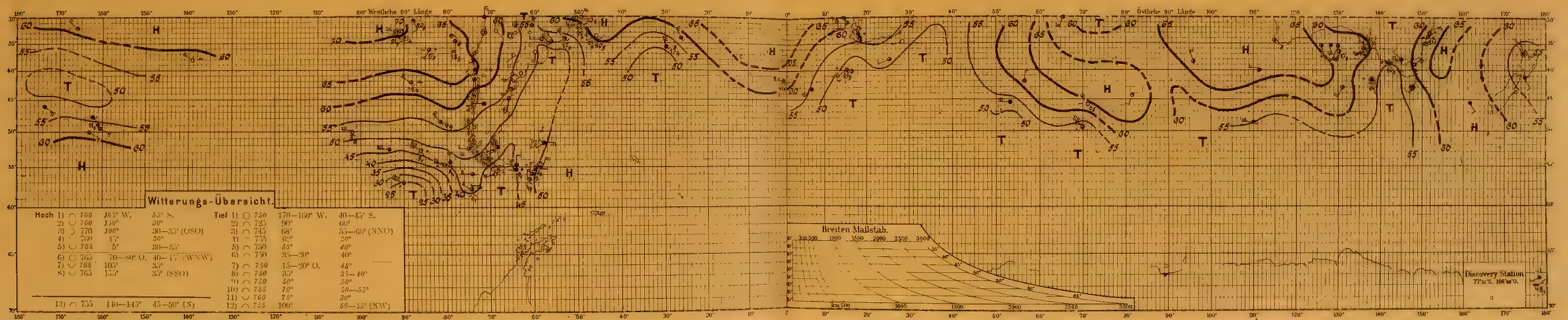
Nr. 144. 1. Januar 1902



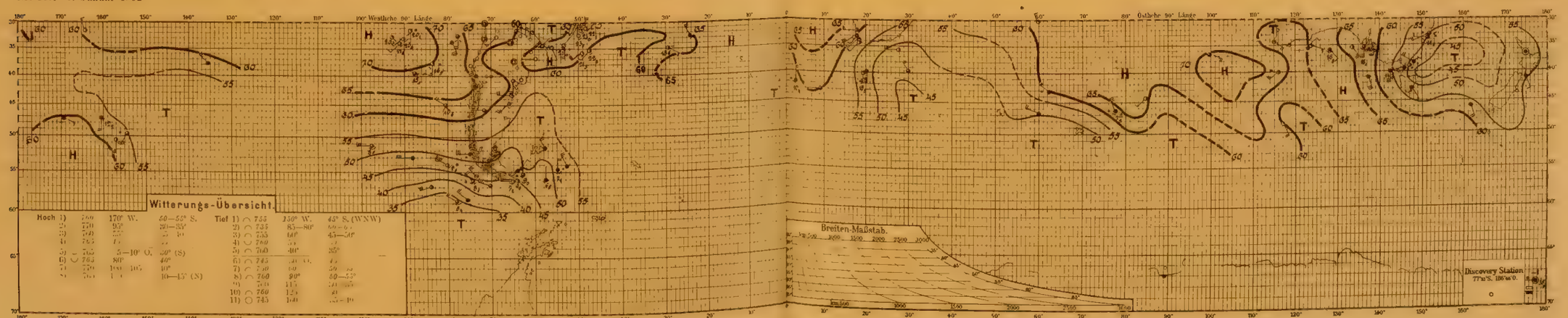
Nr. 145. 2. Januar 1902



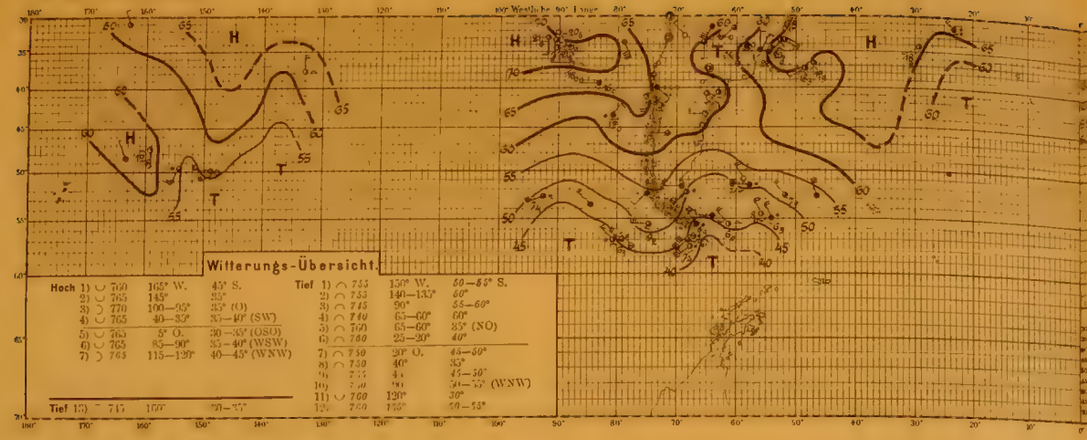
Nr. 146. 3. Januar 1902



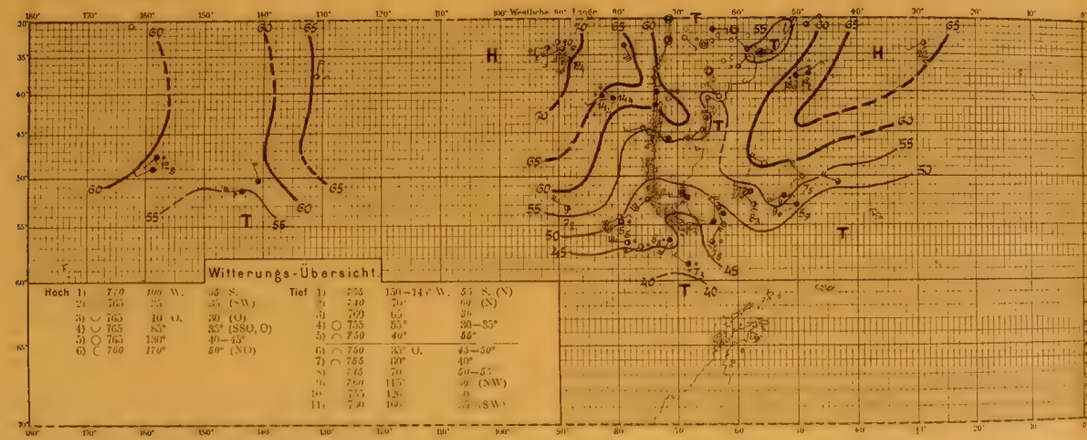
Nr. 147. 4. Januar 1902



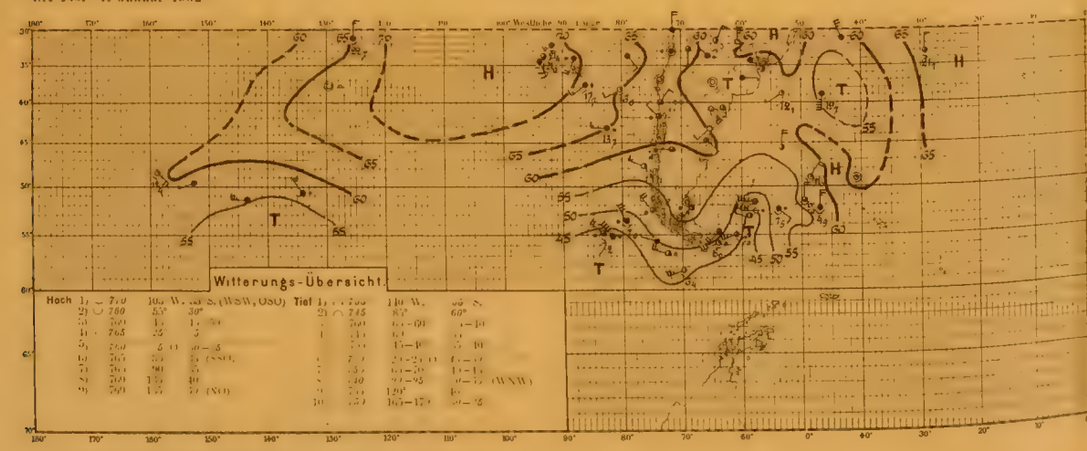
Nr. 148. 5. Januar 1902



Nr. 149. 6. Januar 1902 *)



Nr. 150. 7. Januar 1902

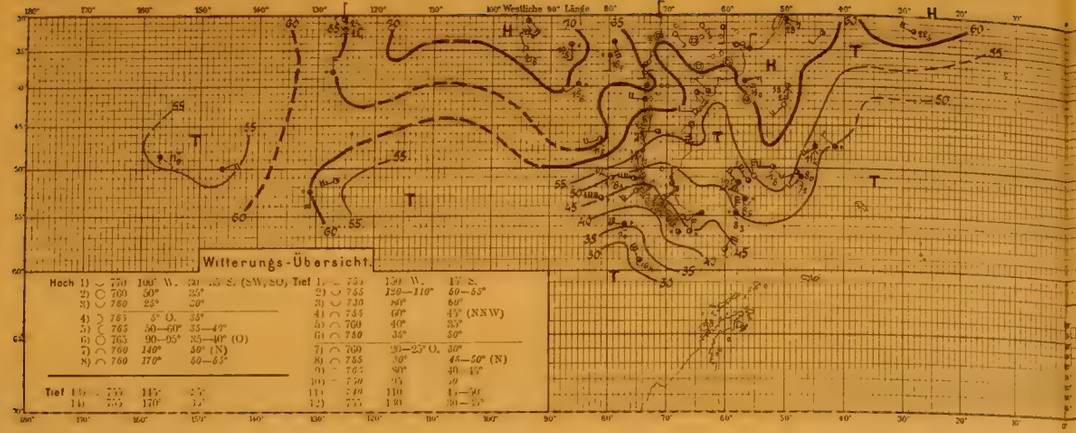


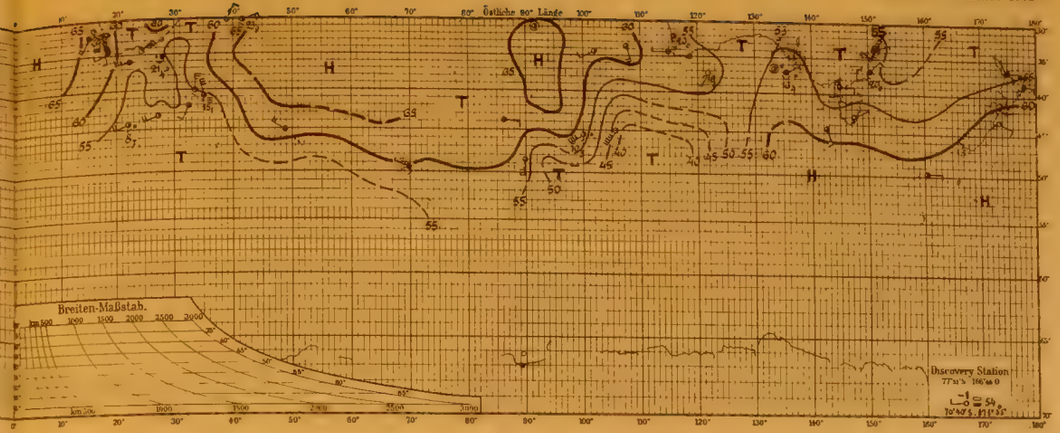
*) Beginn der Beobachtungen an der Kerguelen-Station (49° 25′ S. Br., 69° 53′ O. L. v. Gr.

Tafel 51. Nr. 151—153.

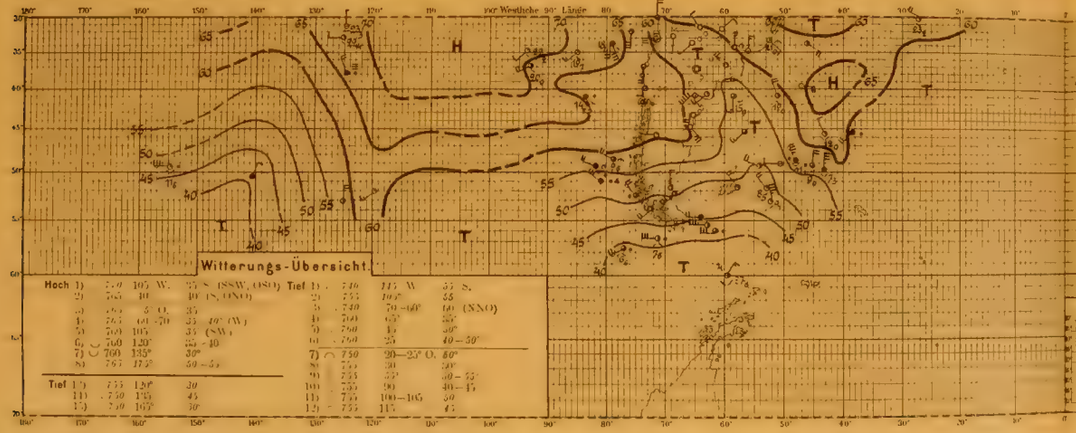
8.—10. Januar 1902.

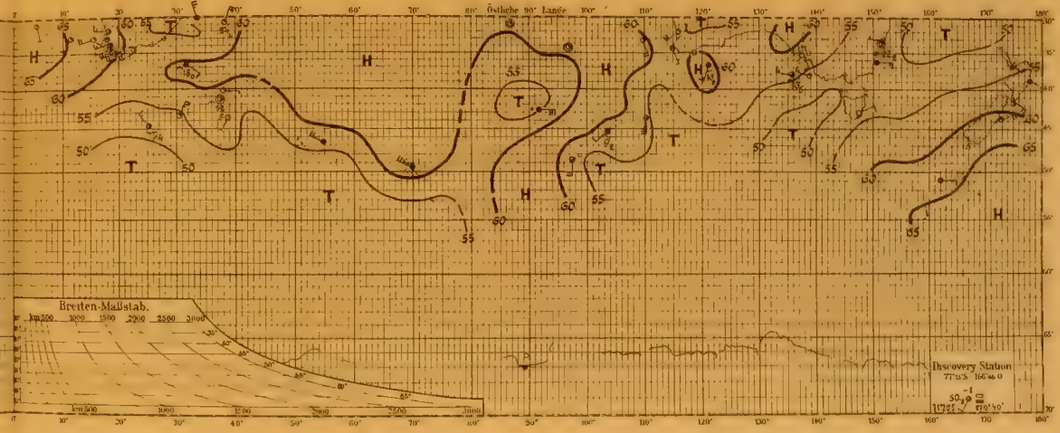
Nr. 151. 8. Januar 1902



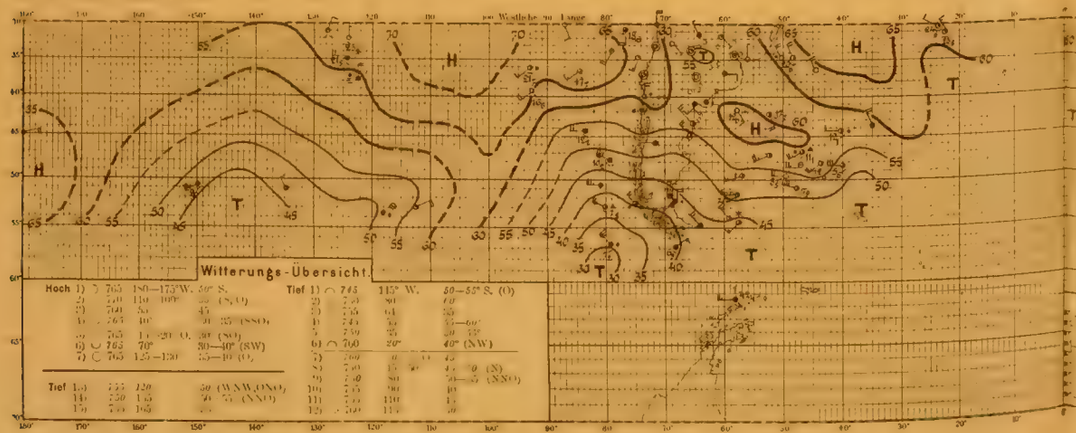


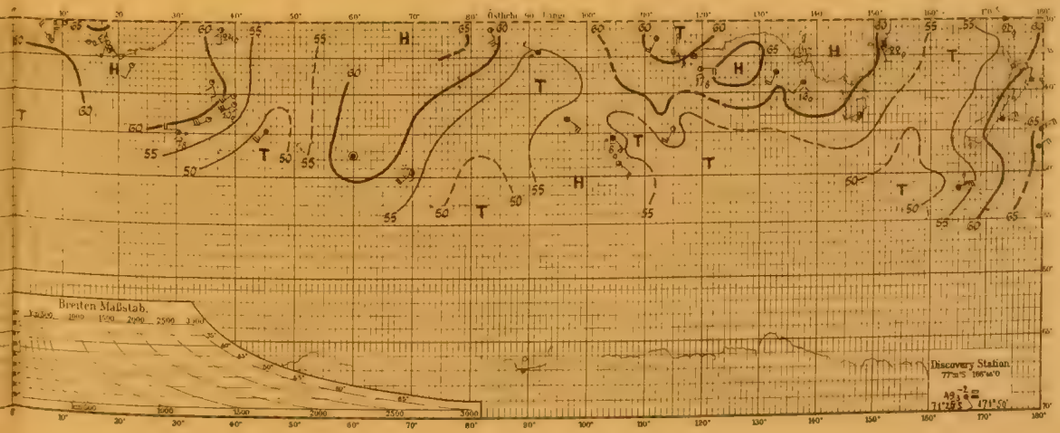
Nr. 152. 9. Januar 1902





Nr. 153. 10. Januar 1902

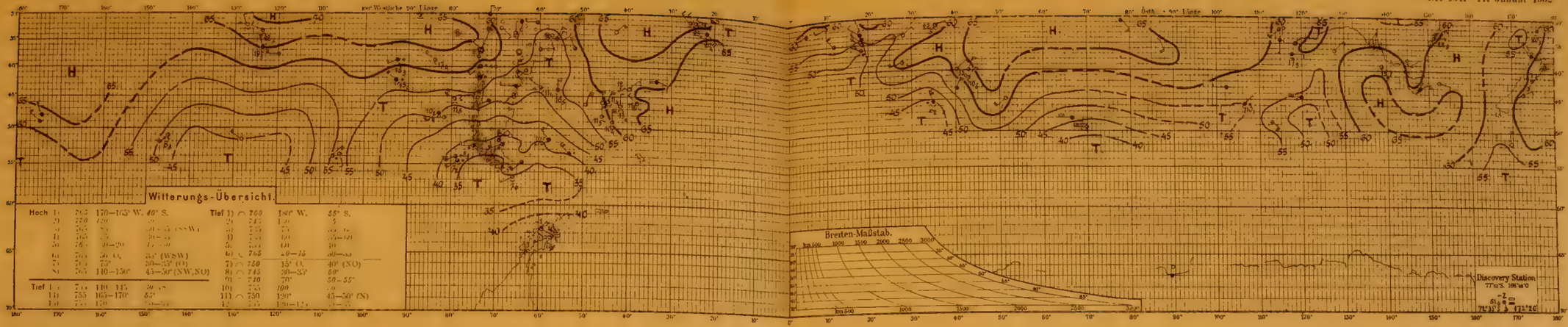




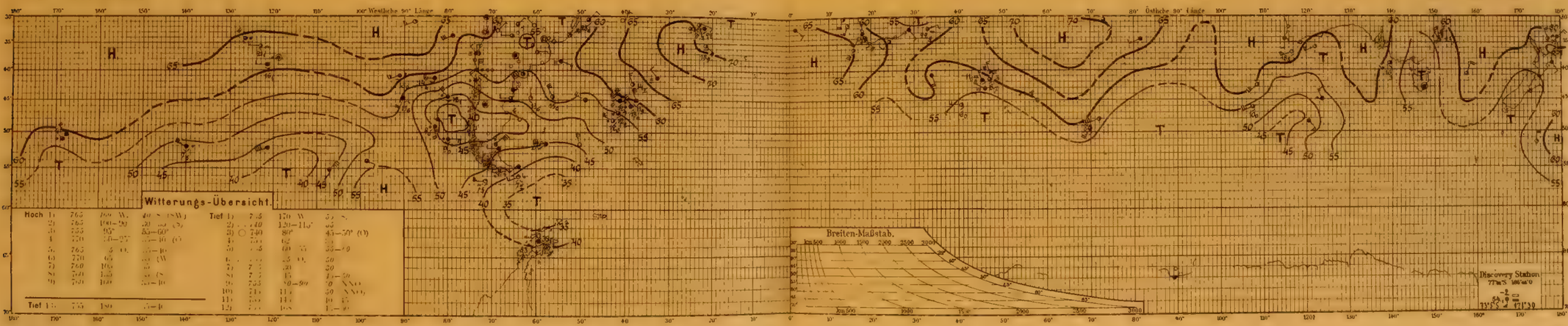
Tafel 52. Nr. 151—156.

11. 13. Januar 1902.

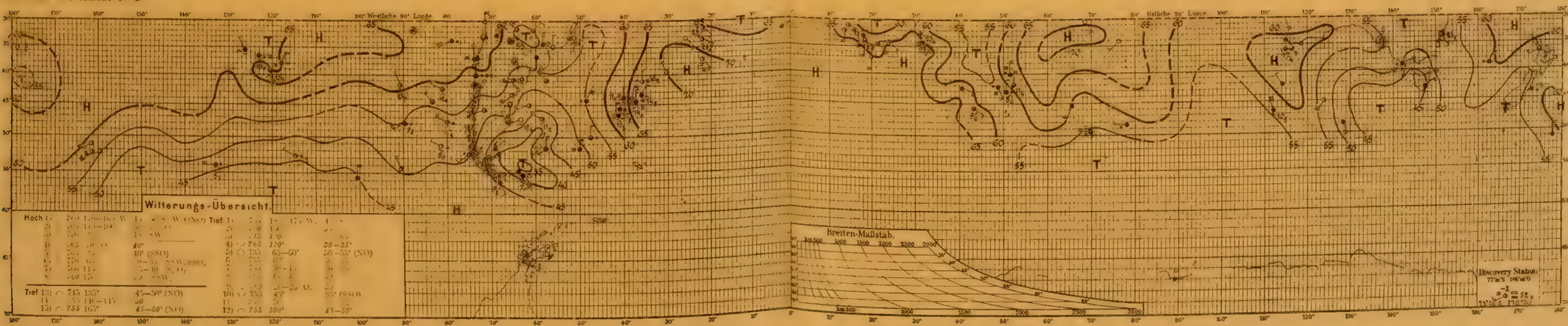
Nr. 154. 11. Januar 1902



Nr. 155. 12. Januar 1902



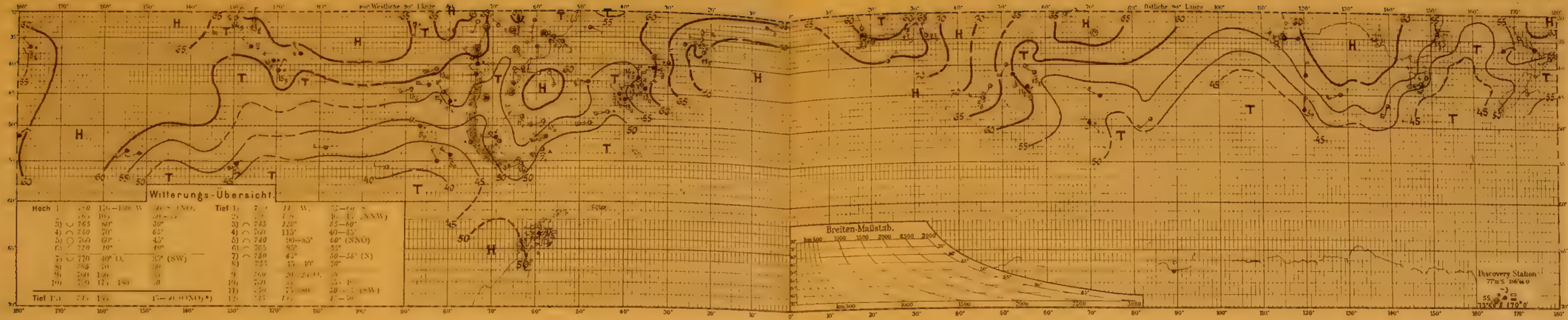
Nr. 156. 13. Januar 1902



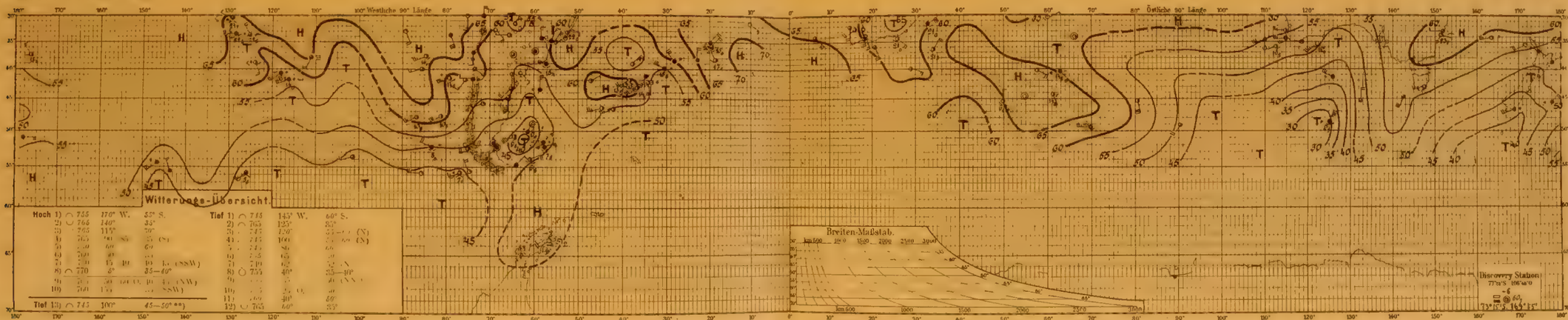
Tafel 53. Nr. 157—159.

14.—16. Januar 1902.

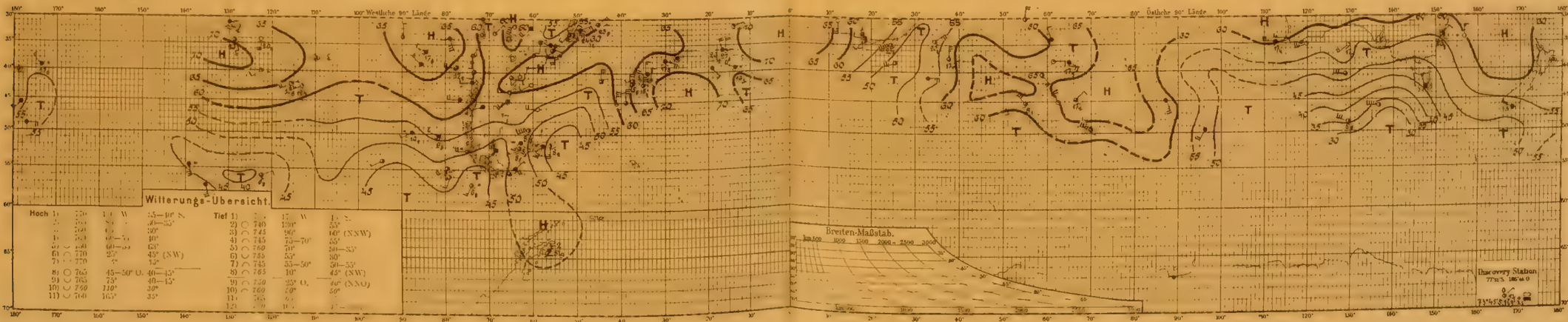
Nr. 157. 14. Januar 1902



Nr. 158. 15. Januar 1902



Nr. 159. 16. Januar 1902



*) Tief 14) ○ 750 100° 35°

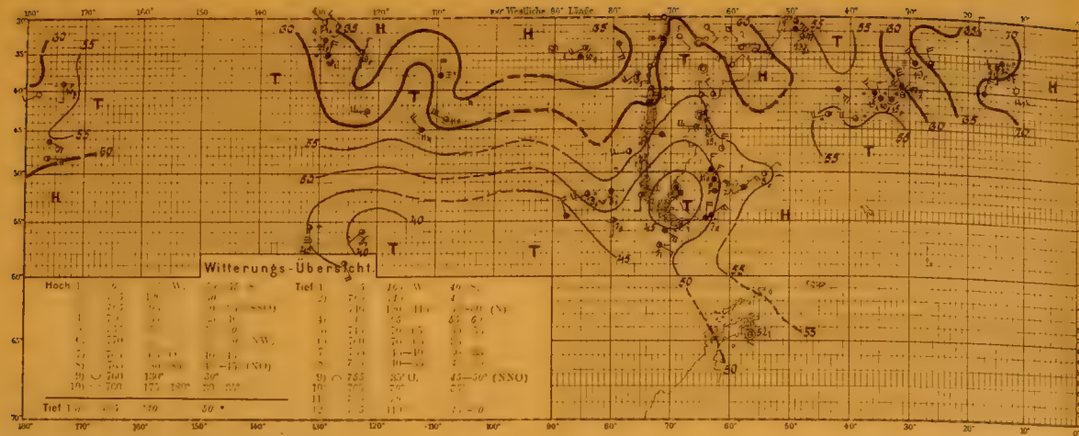
**) Tief 14) ○ 730 120° 50° (N)
15) ○ 740 105° 50—55° (SO)

†) Tief 13) ○ 730 140° 50° (N, NNO)
14) ○ 730 165° 50° (O)

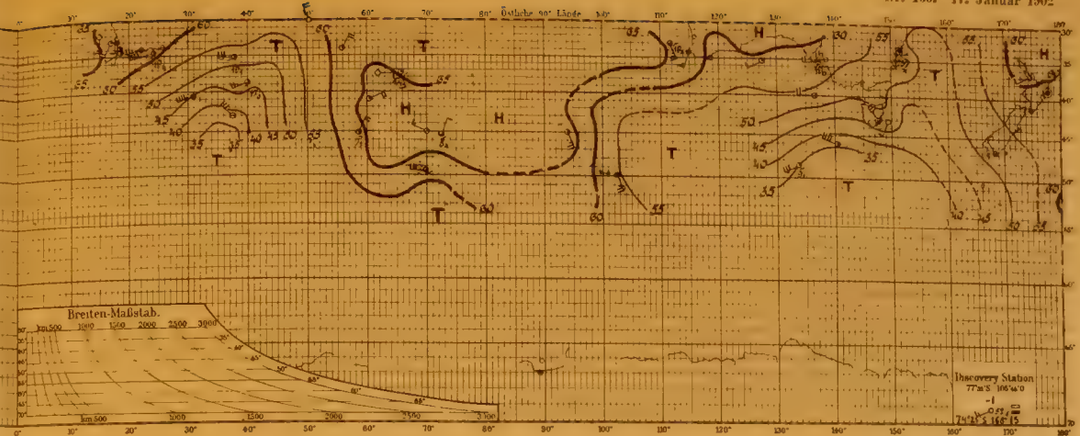
Tafel 54. Nr. 160—162.

17.—19. Januar 1902.

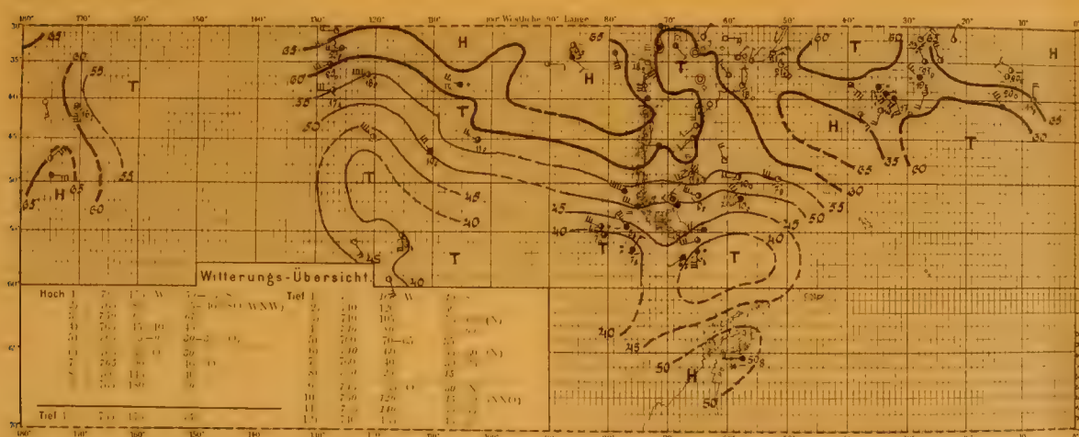
Nr. 160. 17. Januar 1902



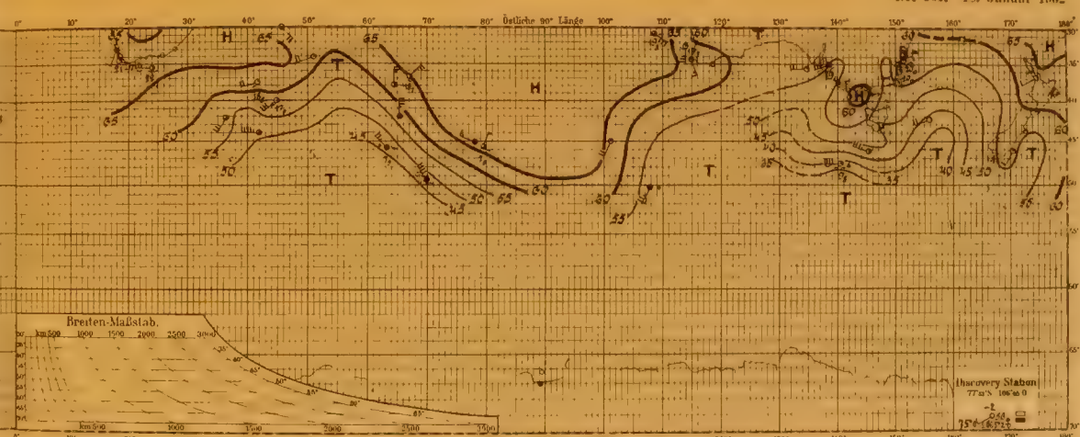
Nr. 160. 17. Januar 1902



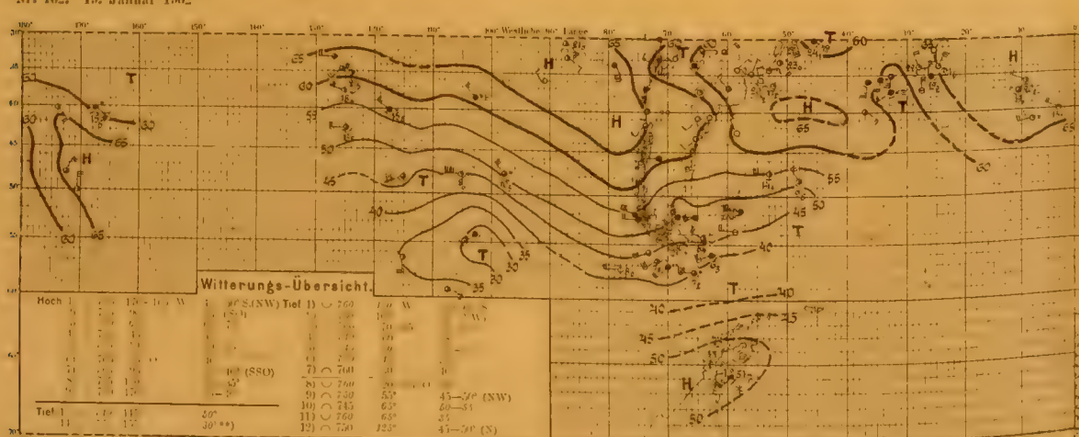
Nr. 161. 18. Januar 1902



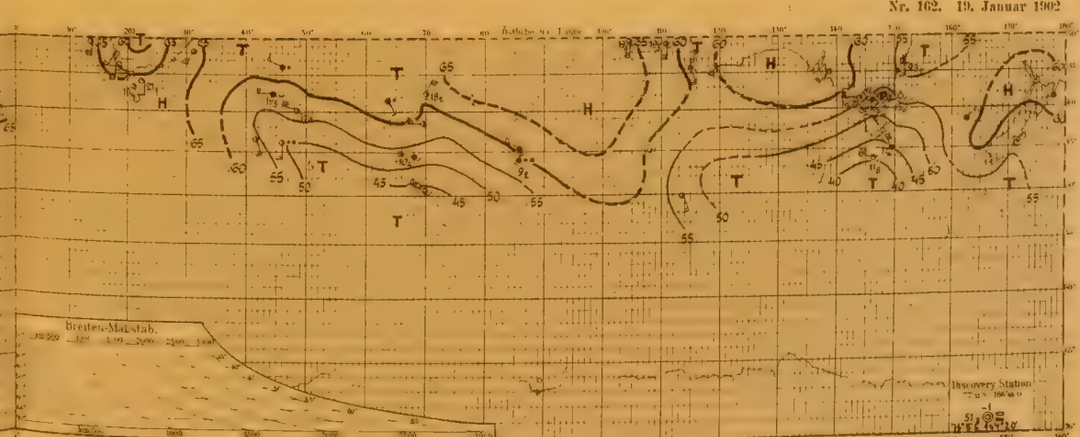
Nr. 161. 18. Januar 1902



Nr. 162. 19. Januar 1902



Nr. 162. 19. Januar 1902

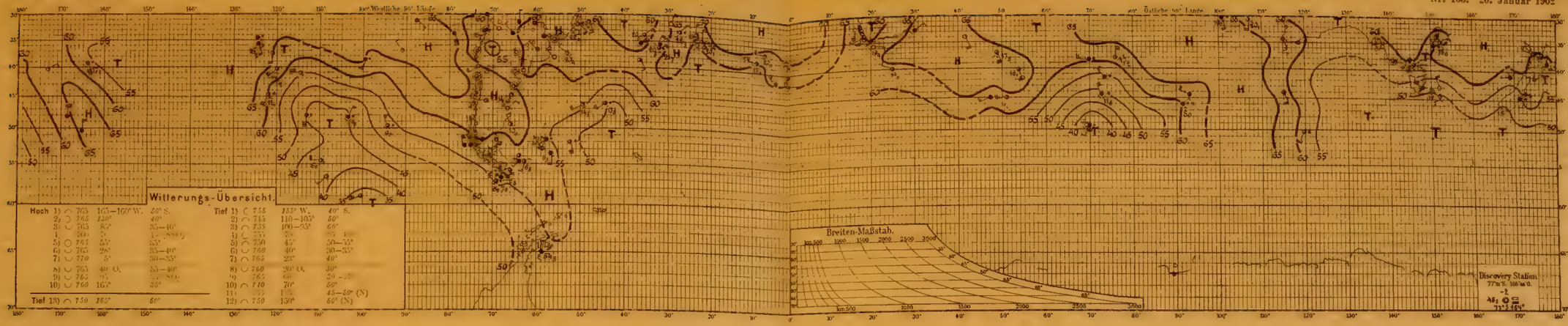


*) Tief 14) ○ 750 155—180° 35—40° **) Tief 15) ○ 755 170° 70

Tafel 55. Nr. 163–165.

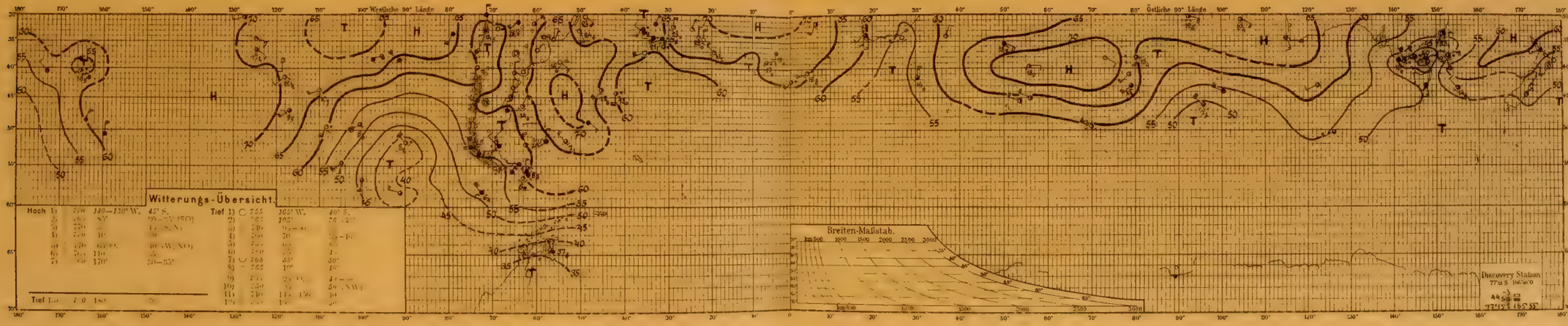
20.–22. Januar 1902.

Nr. 163. 20. Januar 1902



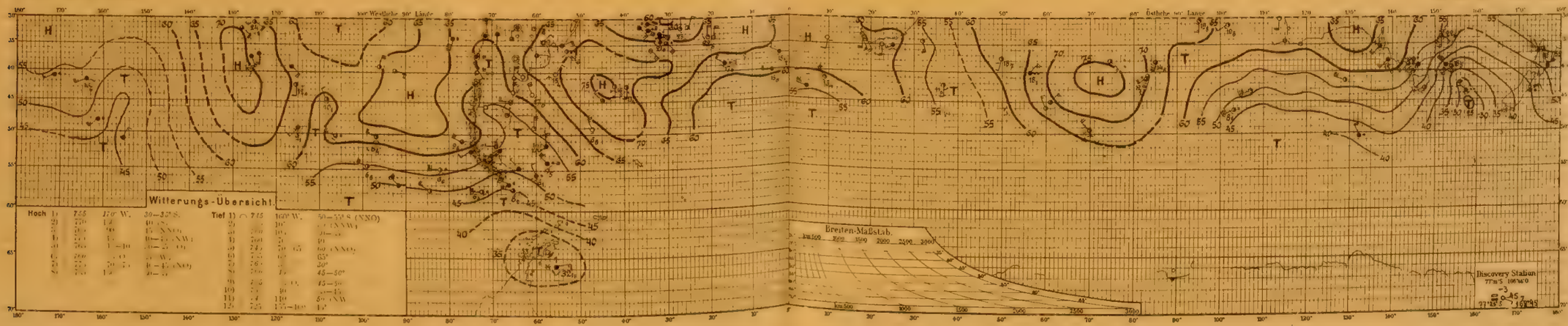
Nr. 163. 20. Januar 1902

Nr. 164. 21. Januar 1902



Nr. 164. 21. Januar 1902

Nr. 165. 22. Januar 1902

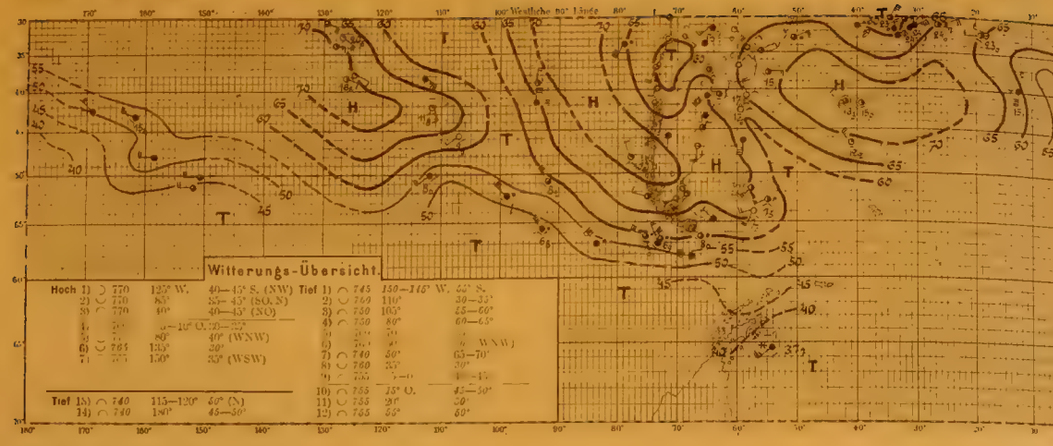


Nr. 165. 22. Januar 1902

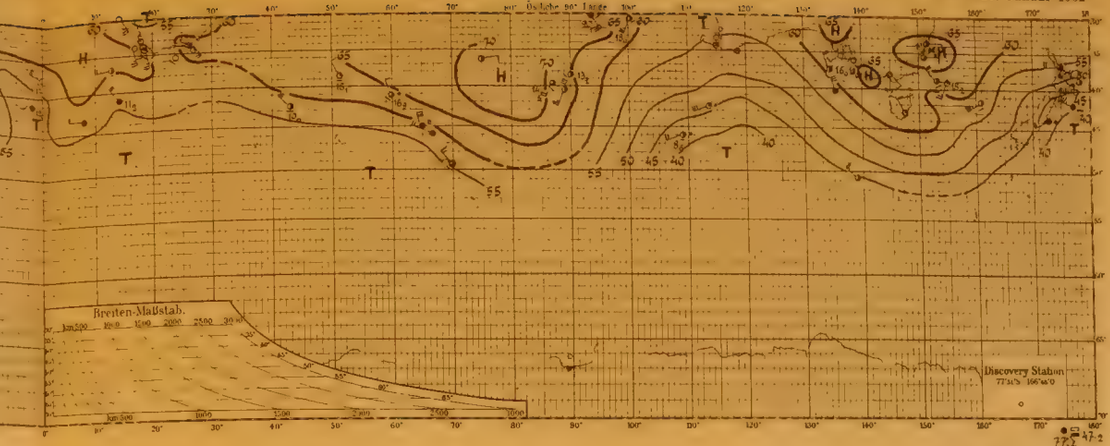
Tafel 56. Nr. 166—168.

23.—25. Januar 1902.

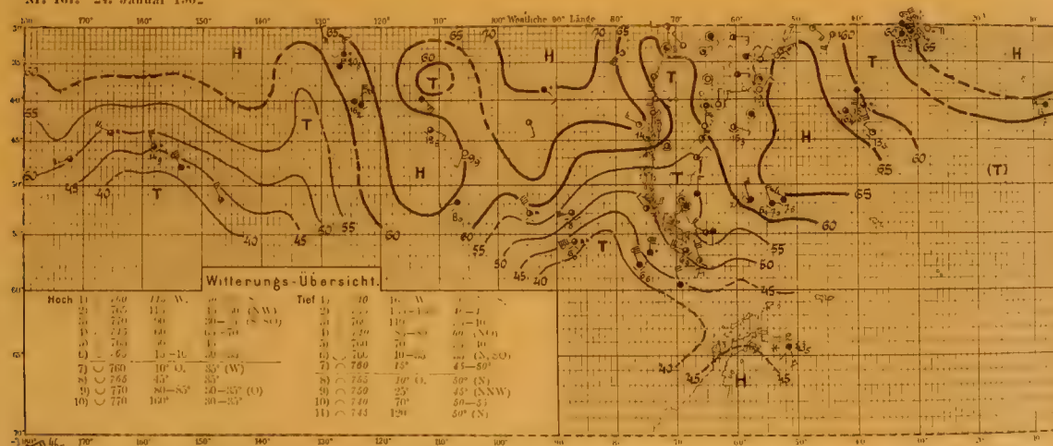
Nr. 166. 23. Januar 1902



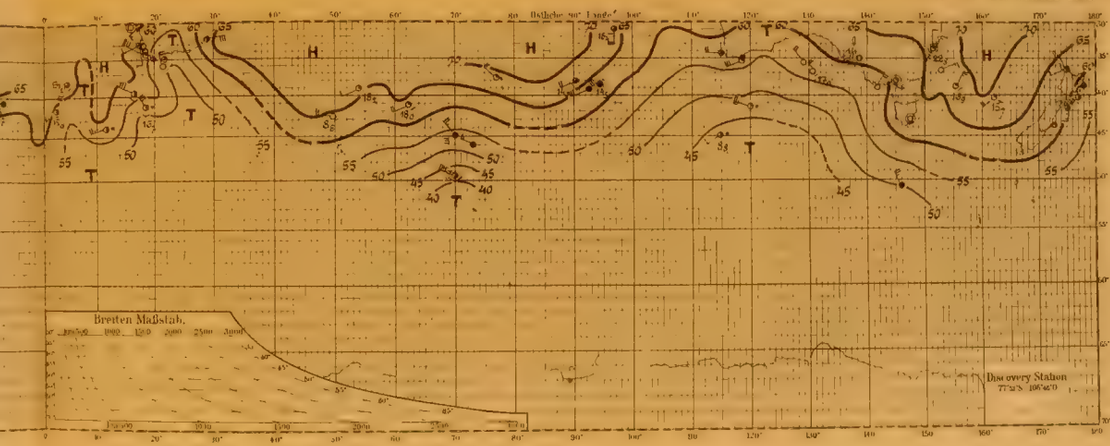
Nr. 166. 23. Januar 1902



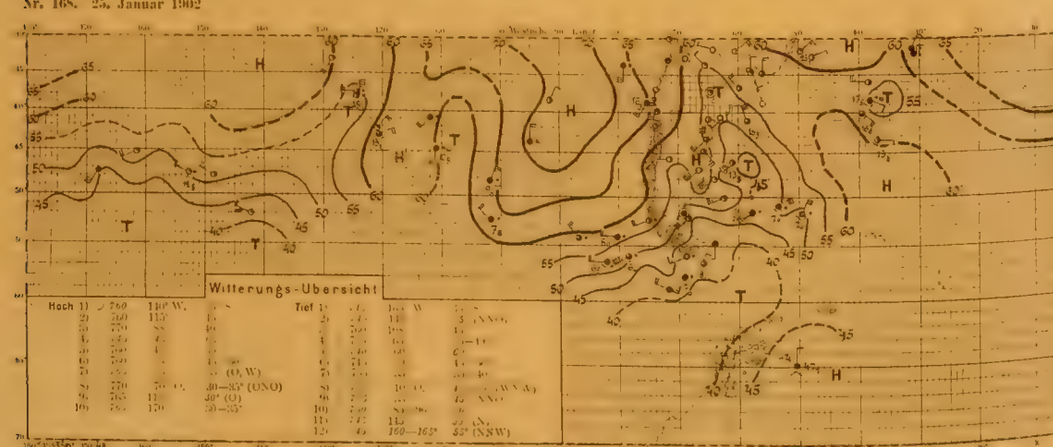
Nr. 167. 24. Januar 1902



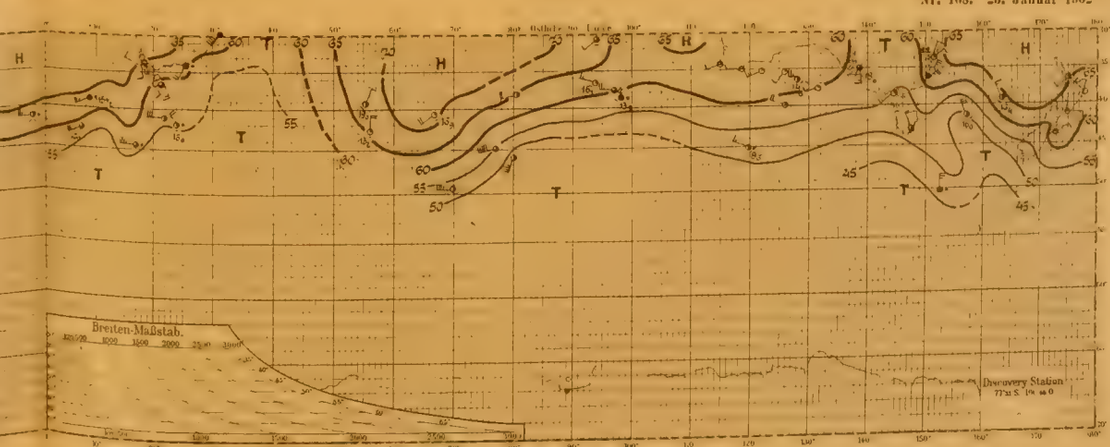
Nr. 167. 24. Januar 1902



Nr. 168. 25. Januar 1902



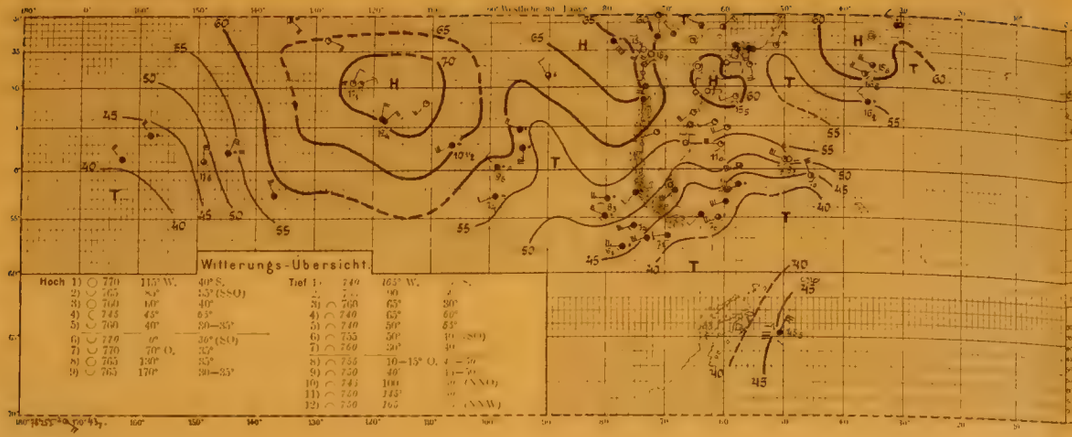
Nr. 168. 25. Januar 1902



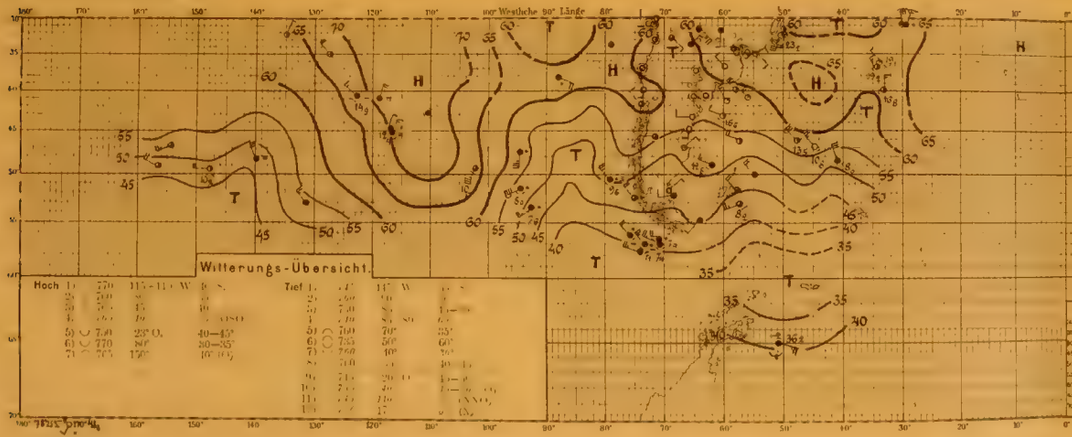
Tafel 57. Nr. 169—171.

26.—28. Januar 1902.

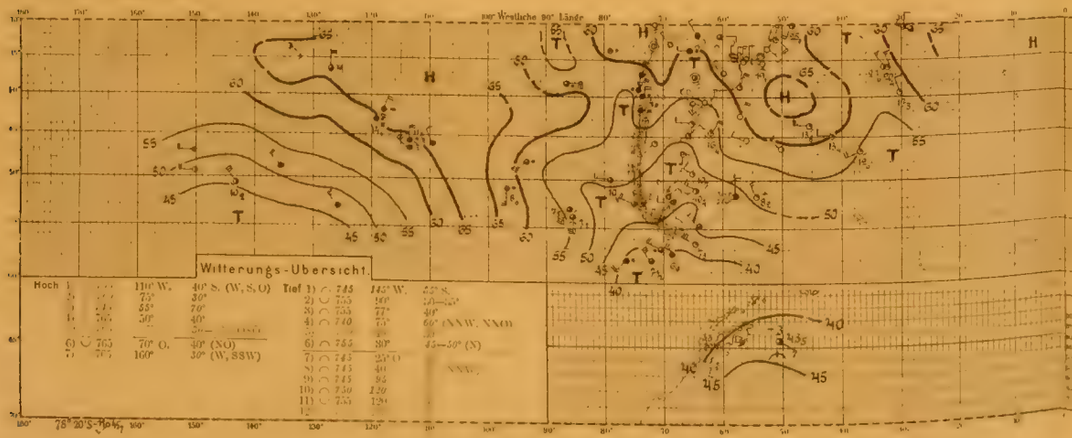
Nr. 169. 26. Januar 1902



Nr. 170. 27. Januar 1902



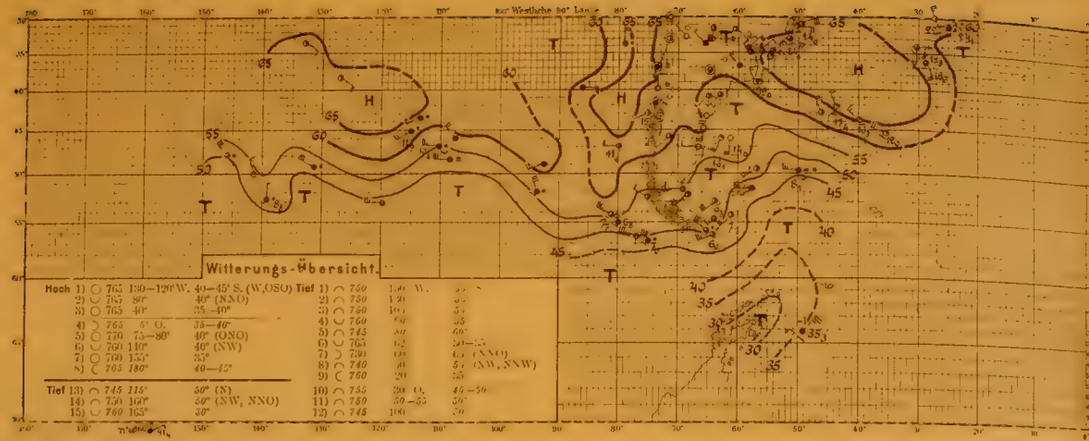
Nr. 171. 28. Januar 1902



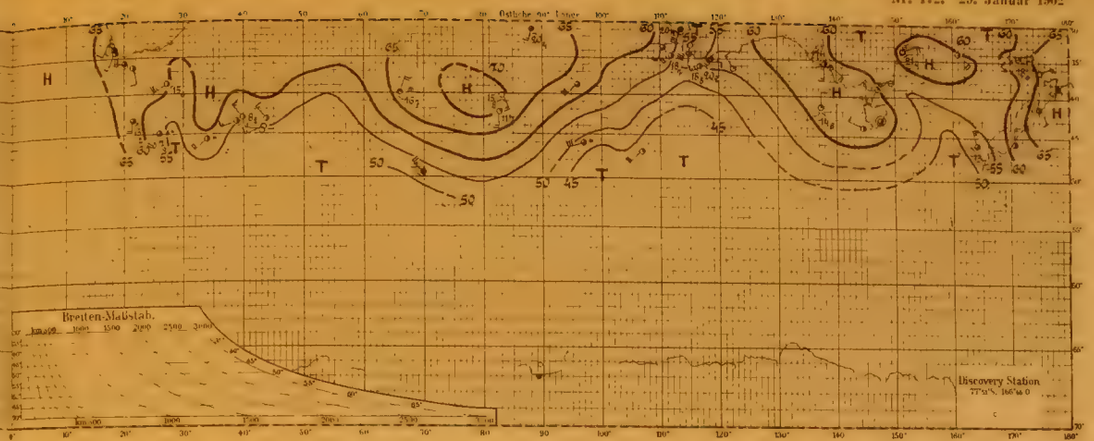
Tafel 58. Nr. 172—174.

29.—31. Januar 1902.

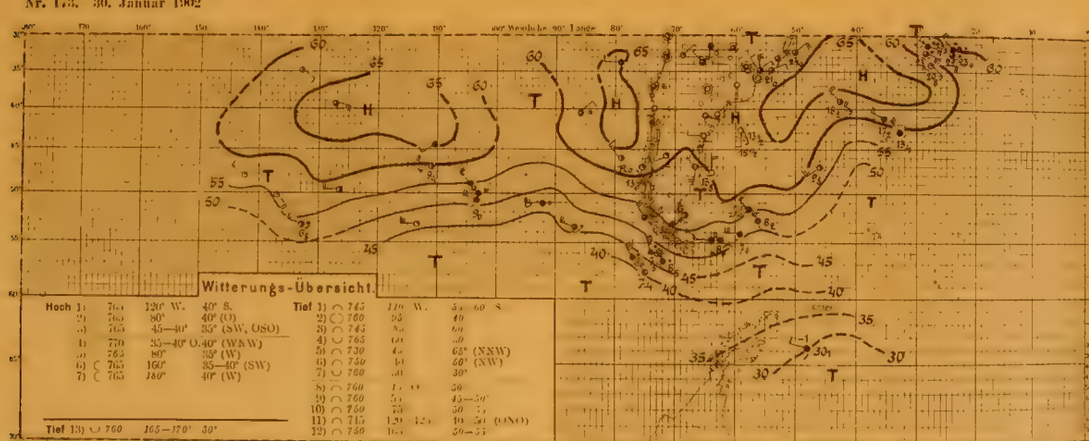
Nr. 172. 29. Januar 1902



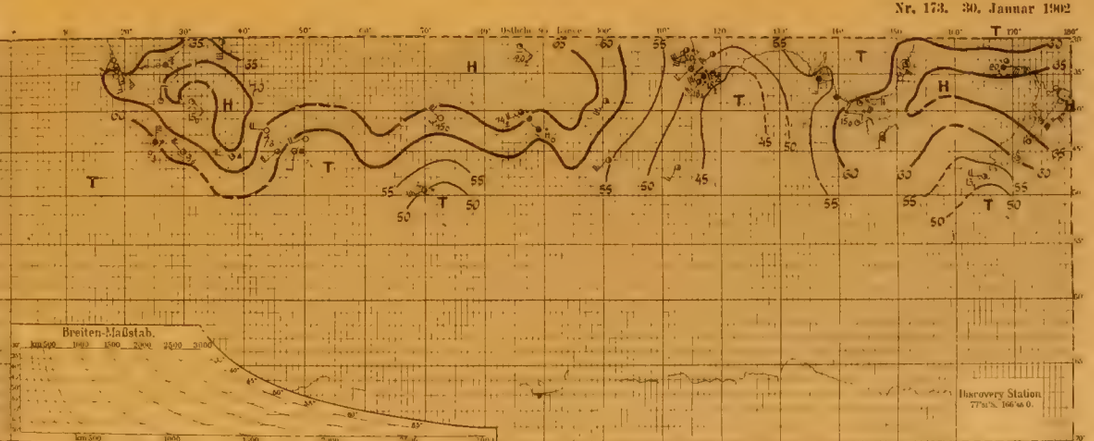
Nr. 172. 29. Januar 1902



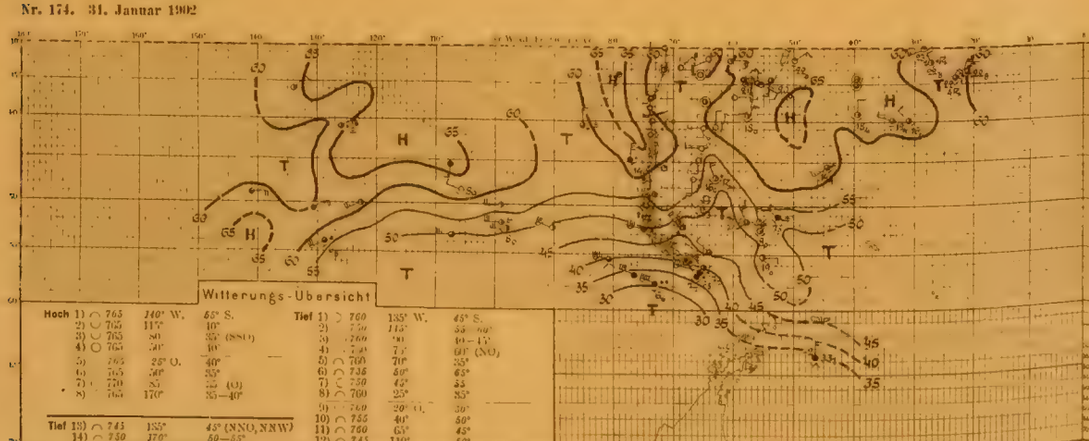
Nr. 173. 30. Januar 1902



Nr. 173. 30. Januar 1902



Nr. 174. 31. Januar 1902

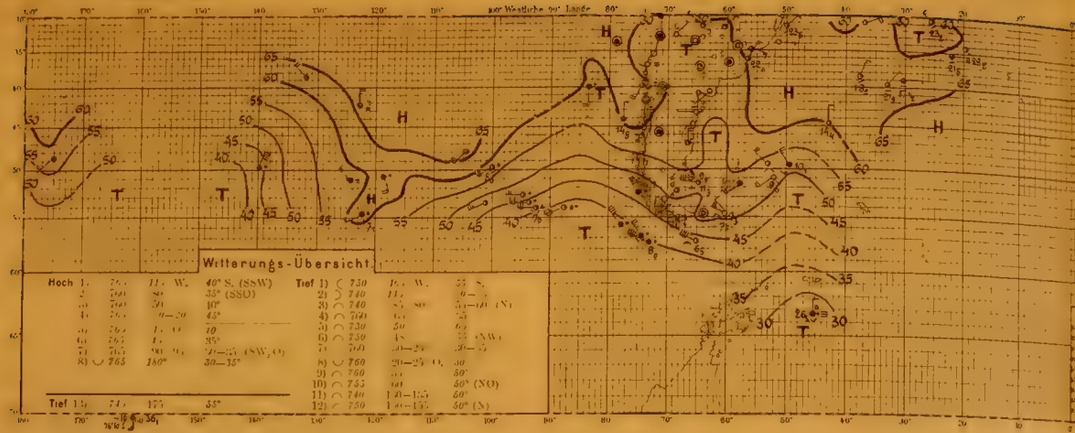


Nr. 174. 31. Januar 1902

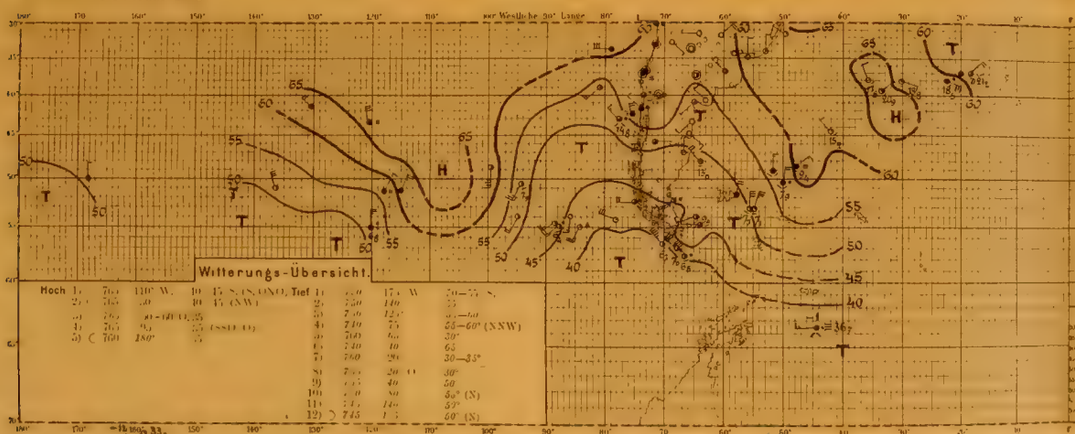
Tafel 59. Nr. 175—177.

1.–3. Februar 1902.

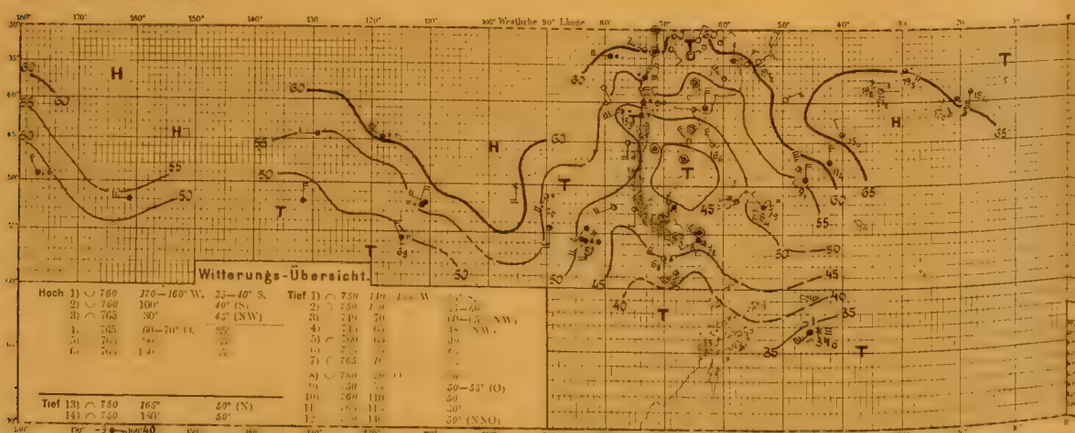
Nr. 175. 1. Februar 1902



Nr. 176. 2. Februar 1902



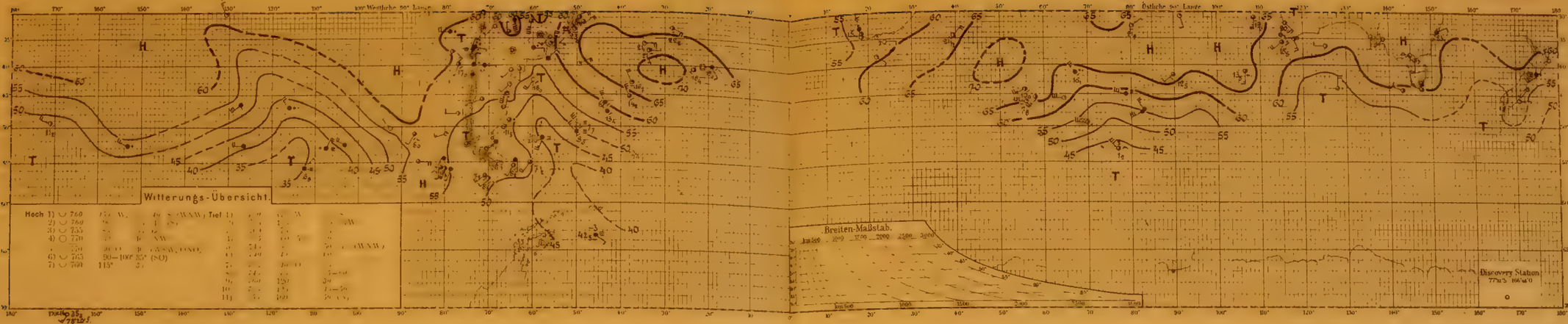
Nr. 177. 3. Februar 1902



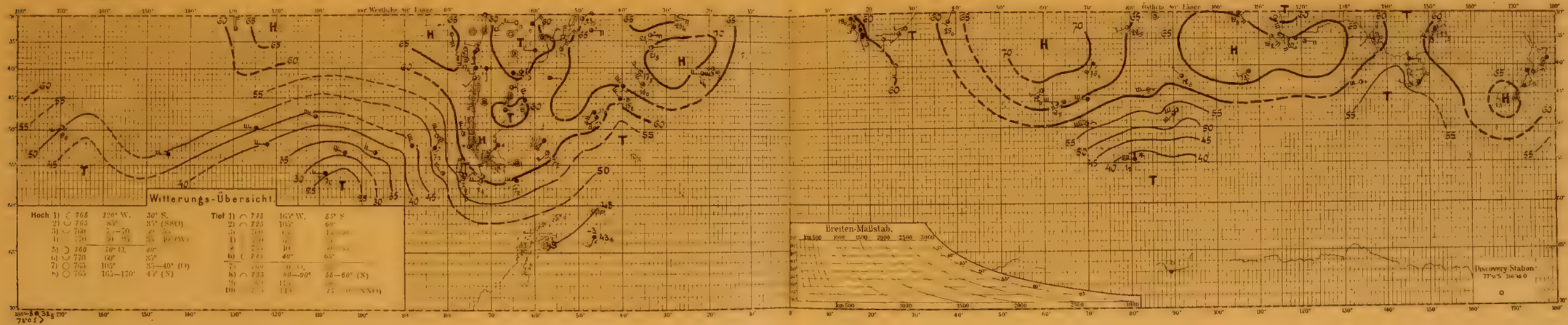
Tafel 60. Nr. 178—180.

4. -6. Februar 1902.

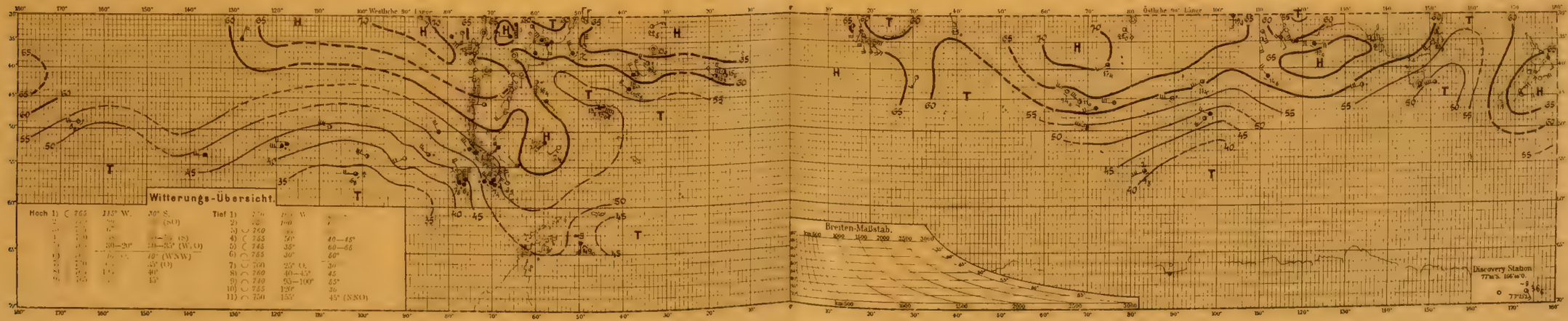
Nr. 178. 4. Februar 1902



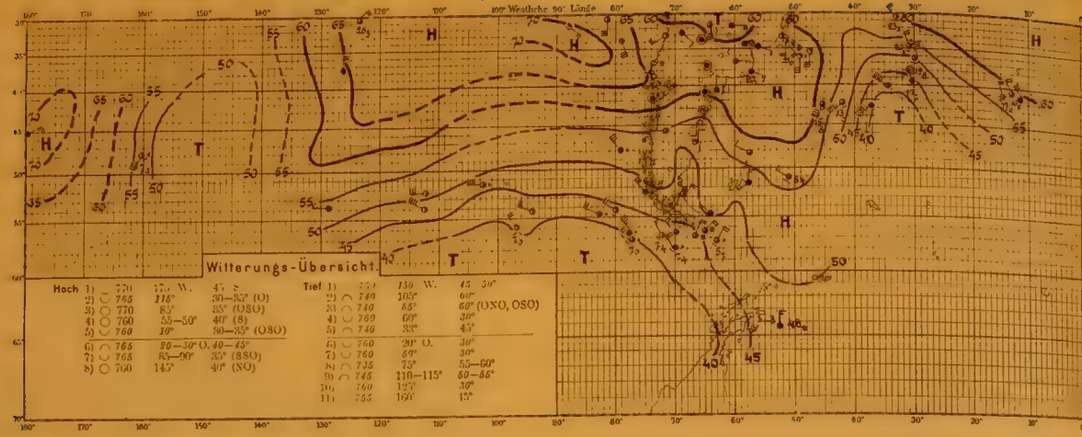
Nr. 179. 5. Februar 1902

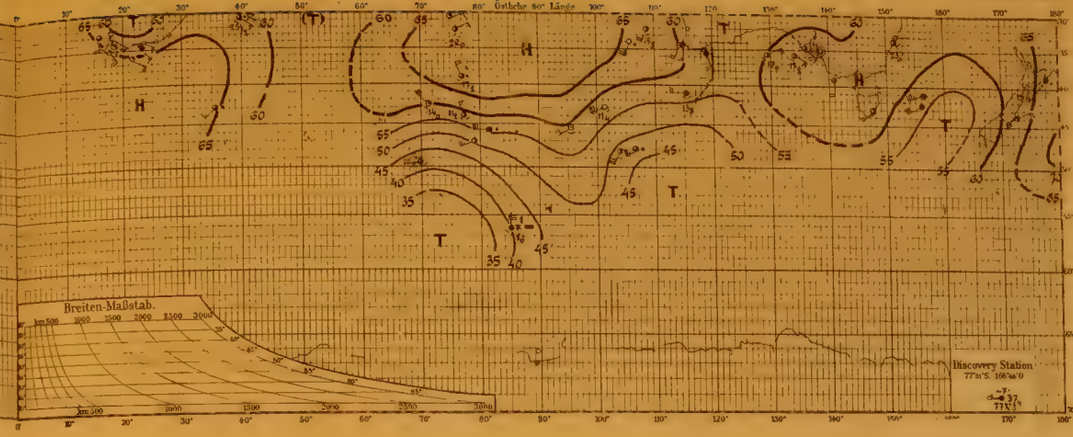


Nr. 180. 6. Februar 1902



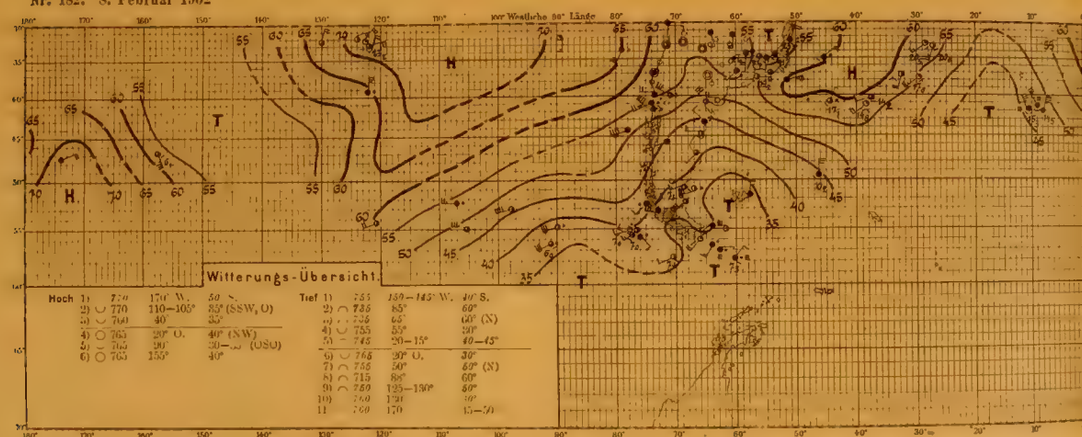
Nr. 181. 7. Februar 1902

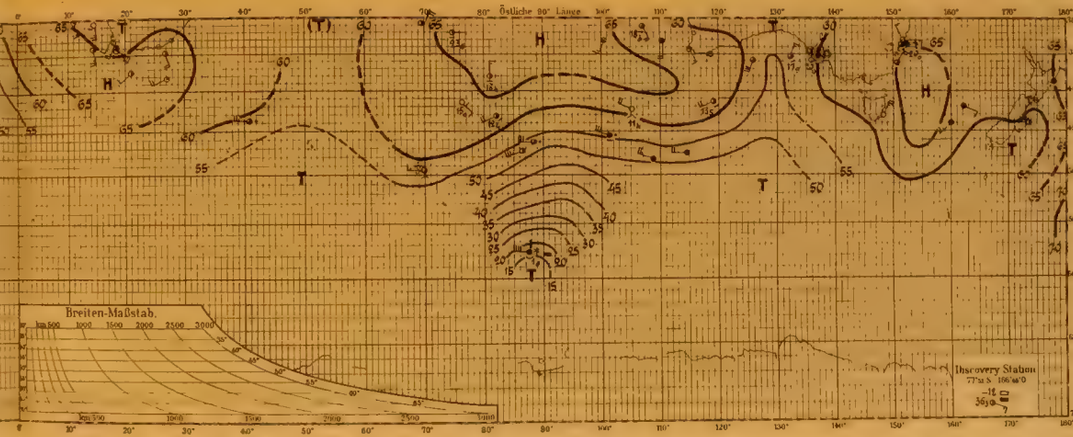




Nr. 181. 7. Februar 1902

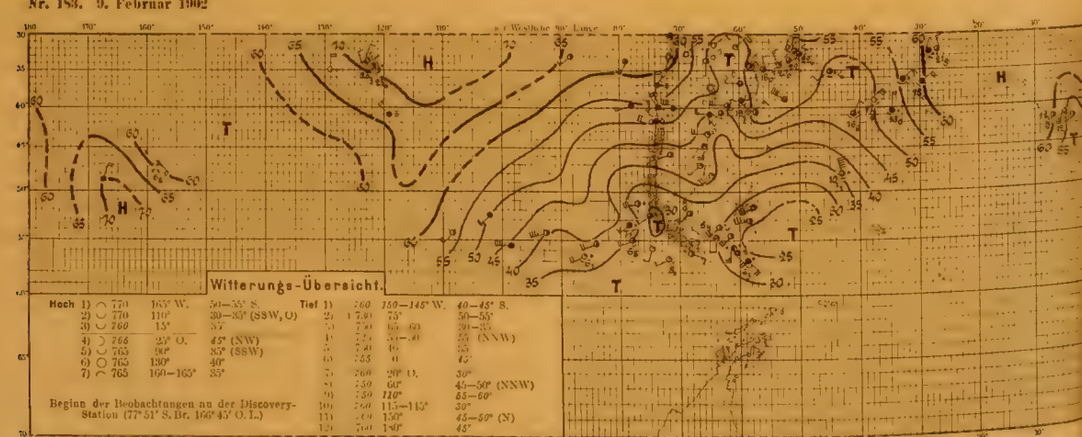
Nr. 182. 8. Februar 1902





Nr. 182. 8. Februar 1902

Nr. 183. 9. Februar 1902

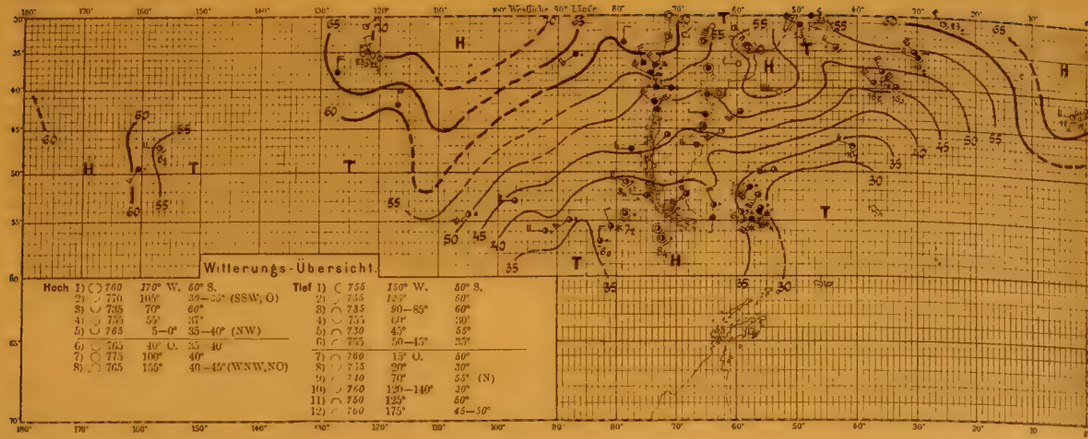


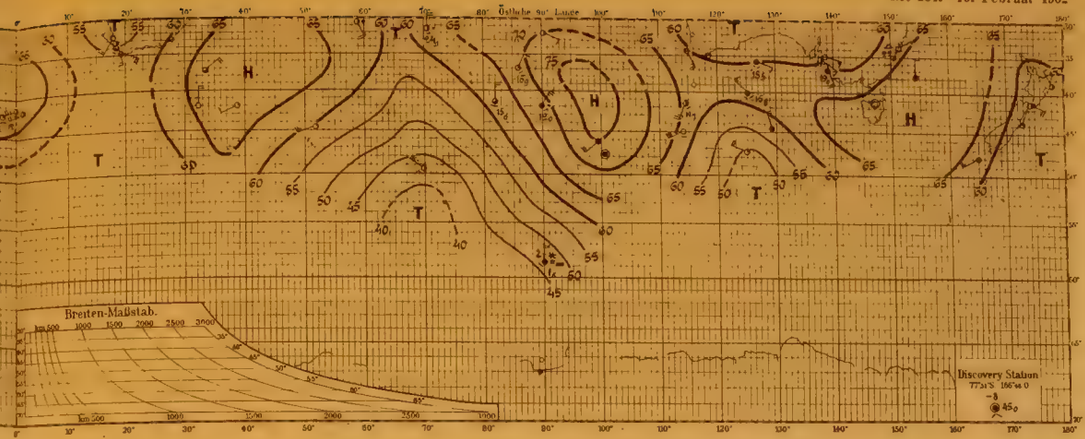
Nr. 183. 9. Februar 1902

Tafel 62. Nr. 184—186.

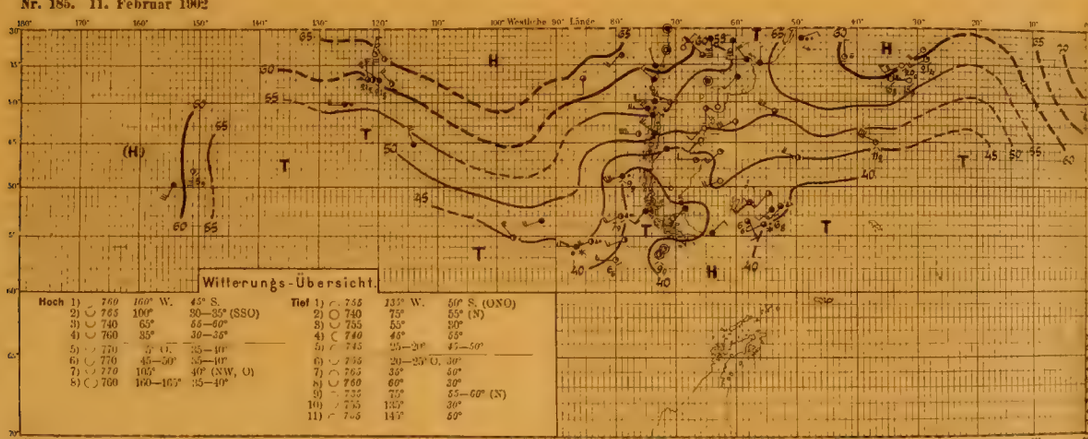
10.–12. Februar 1902.

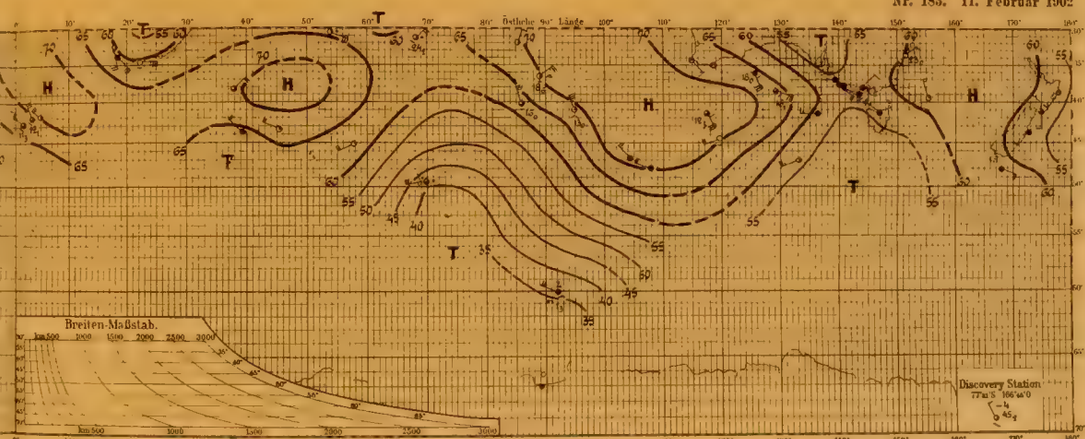
Nr. 184. 10. Februar 1902



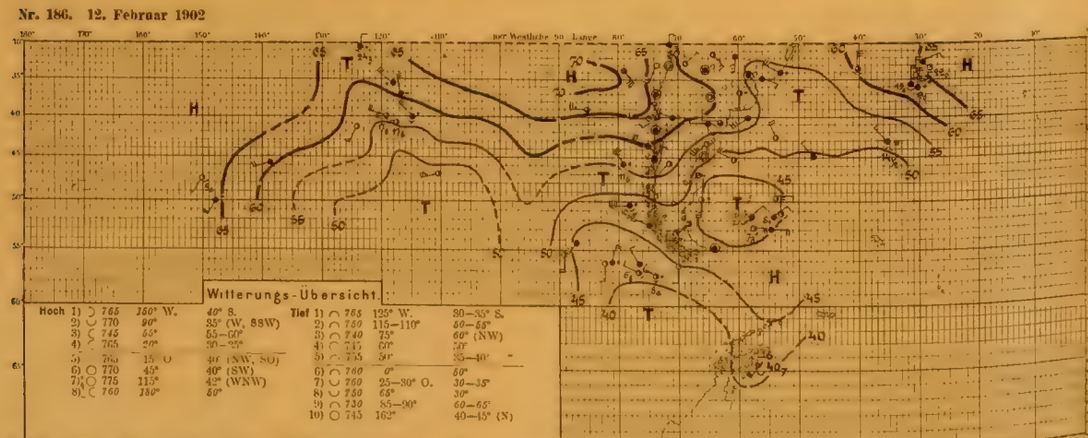


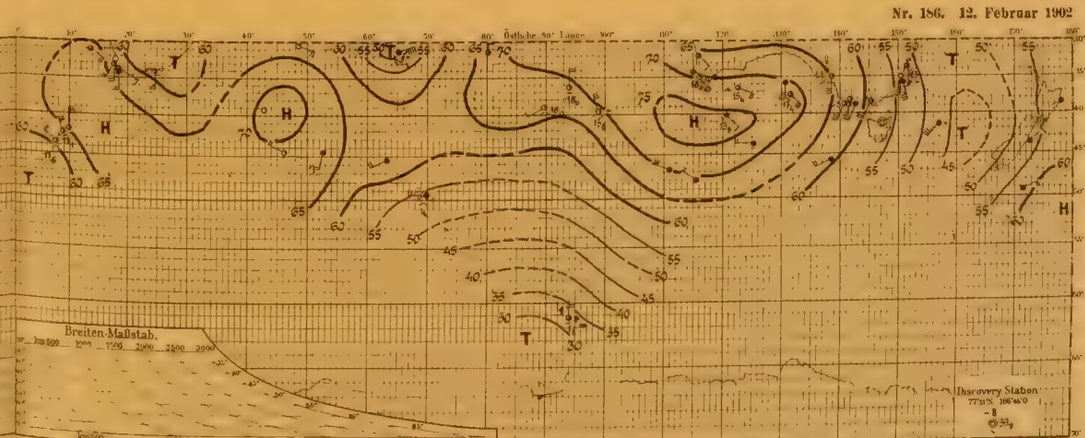
Nr. 185. 11. Februar 1902



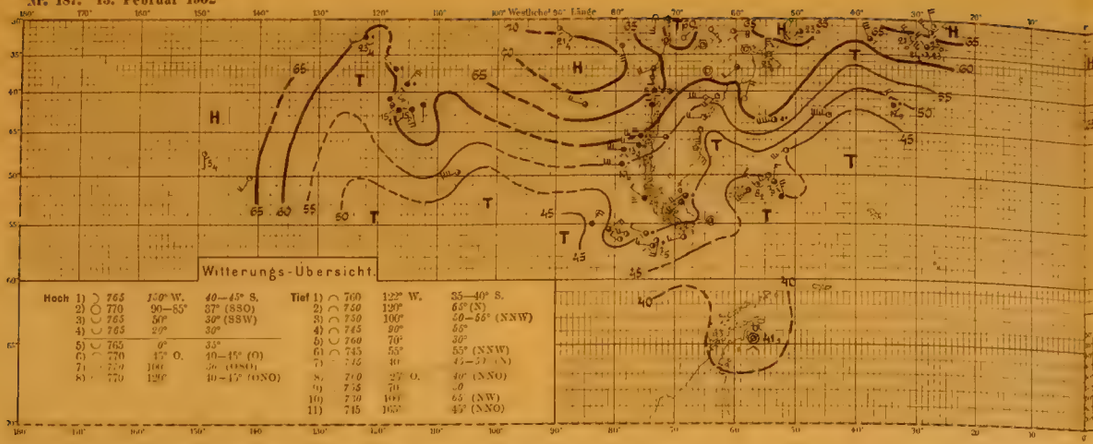


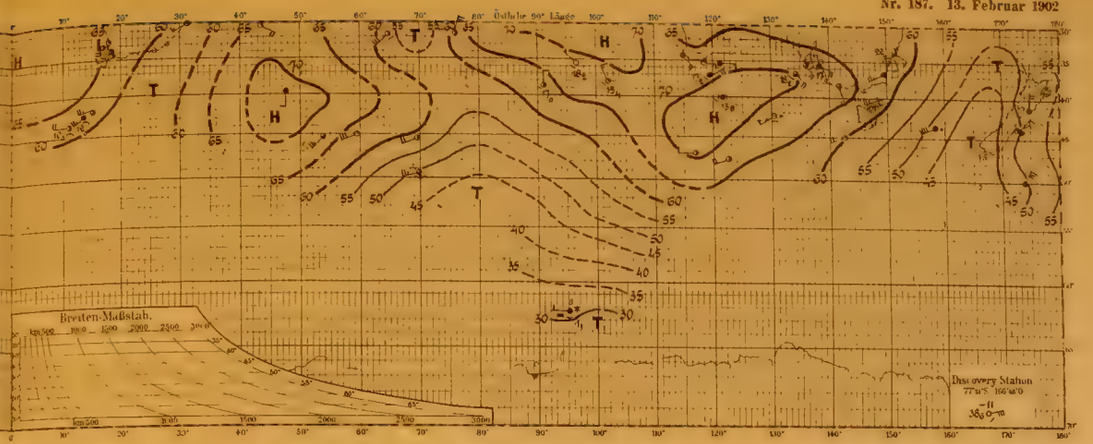
Nr. 186. 12. Februar 1902



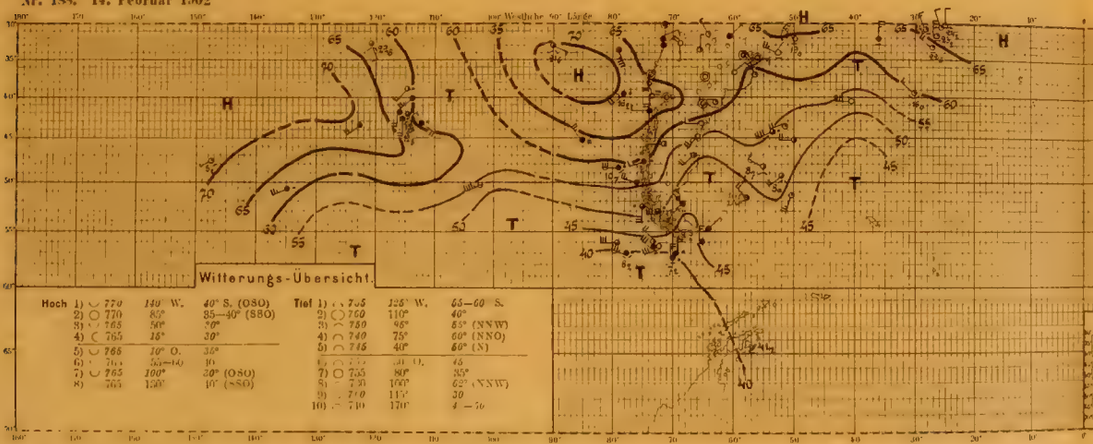


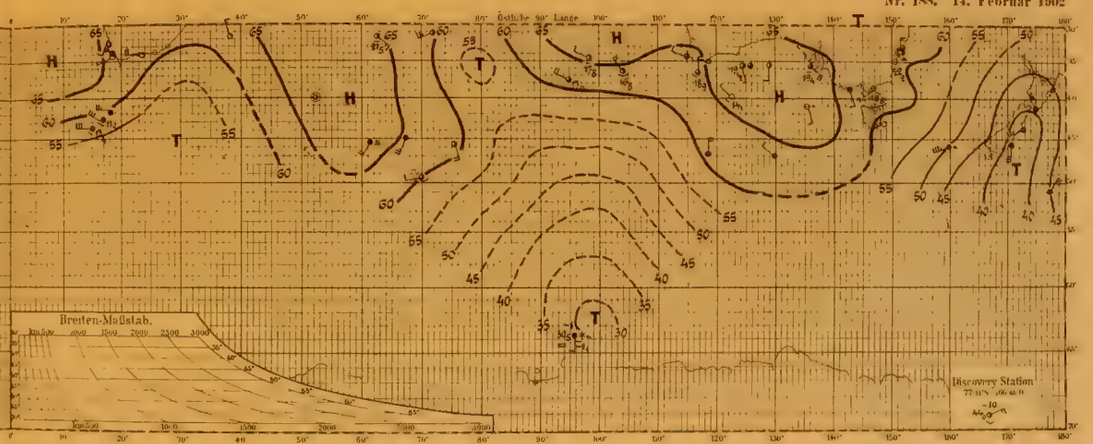
Nr. 187. 13. Februar 1902



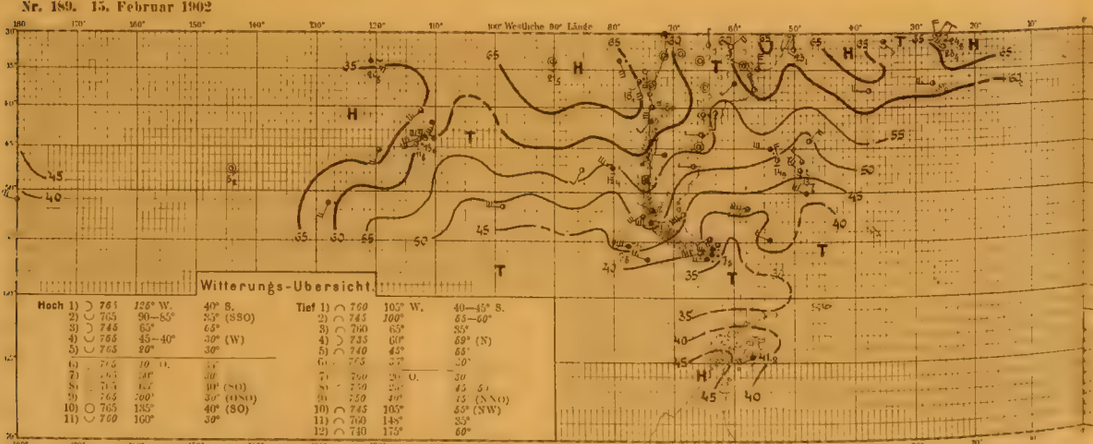


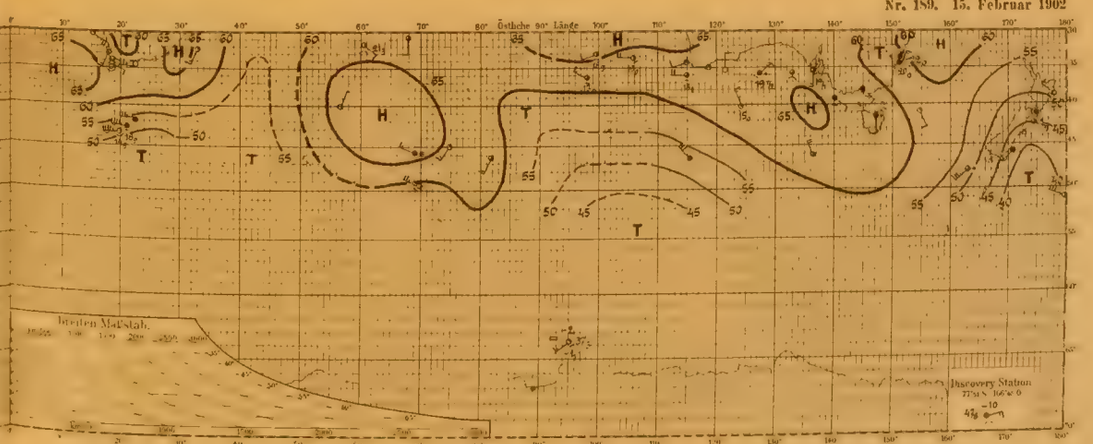
Nr. 188. 14. Februar 1902



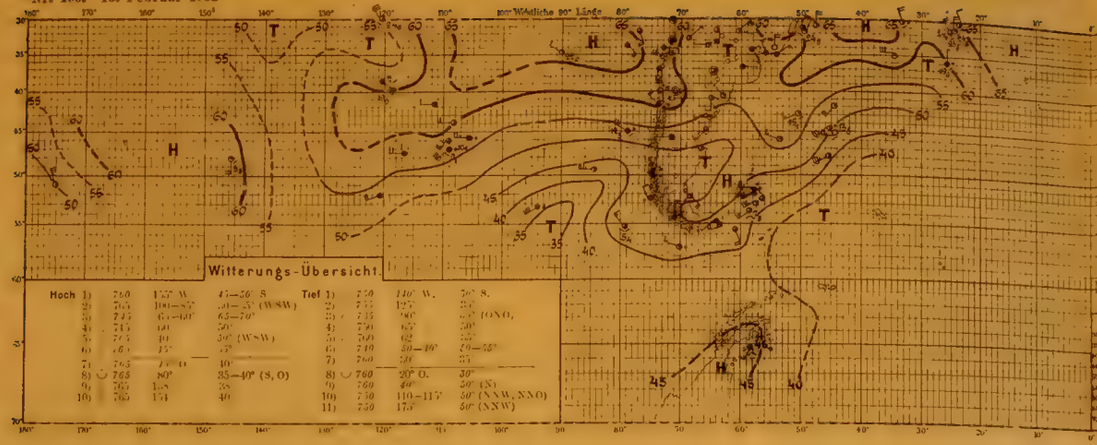


Nr. 189. 15. Februar 1902

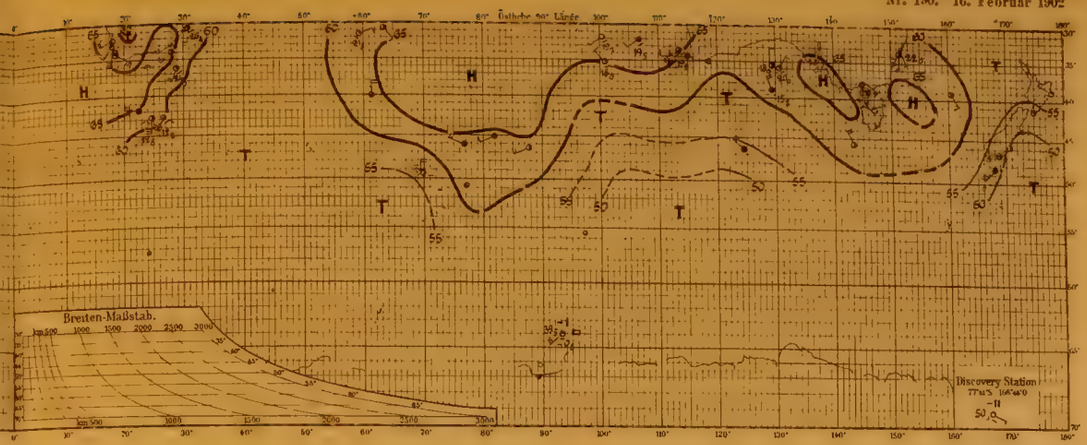




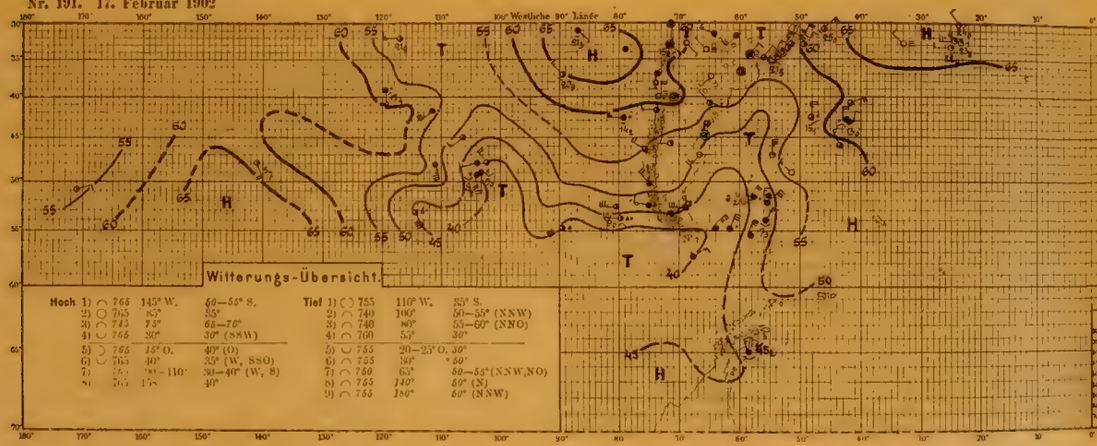
Nr. 190. 16. Februar 1902



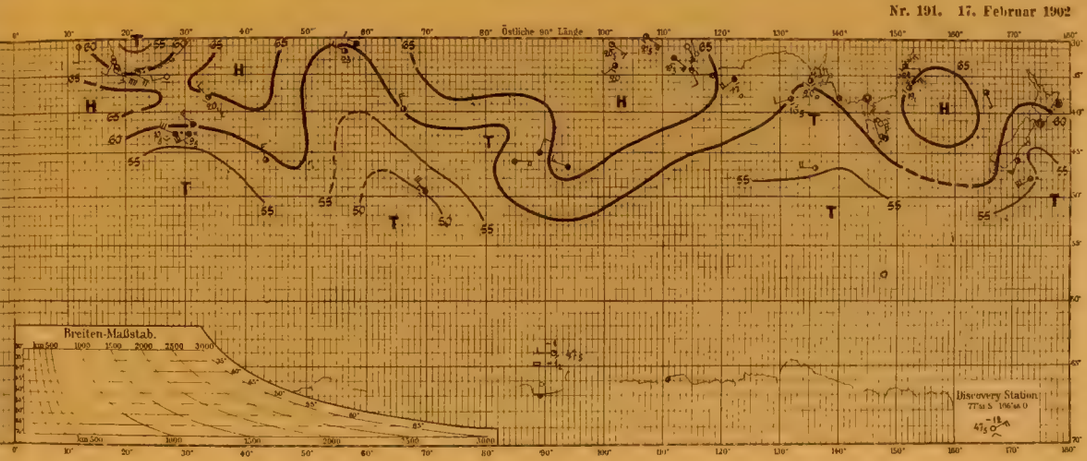
Nr. 190. 16. Februar 1902



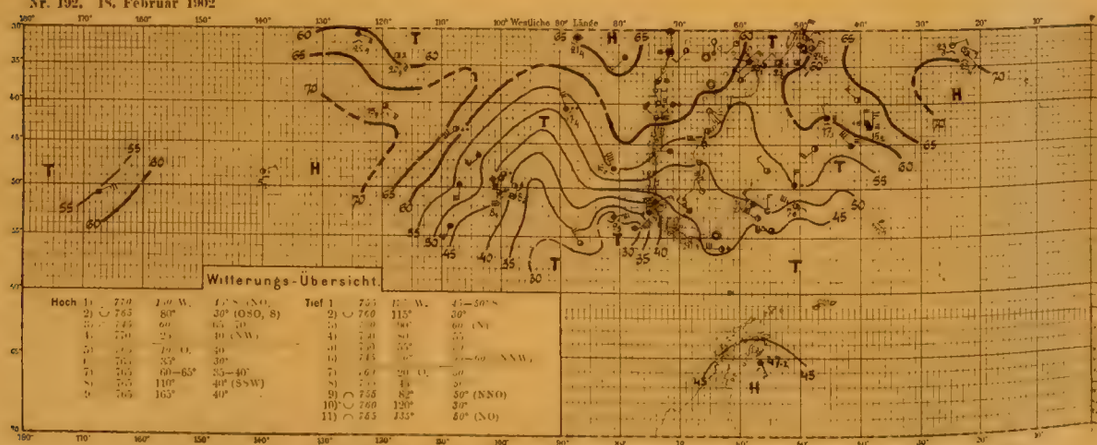
Nr. 191. 17. Februar 1902



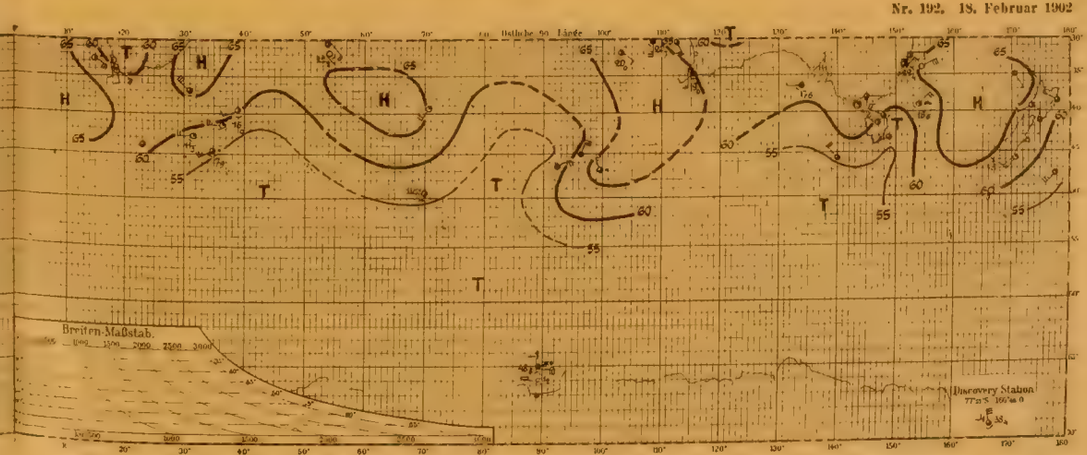
Nr. 191. 17. Februar 1902



Nr. 192. 18. Februar 1902



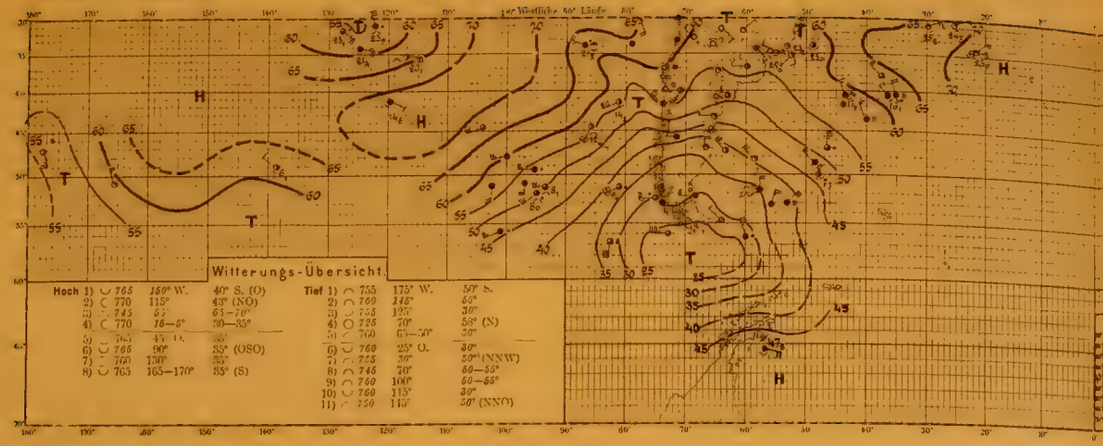
Nr. 192. 18. Februar 1902



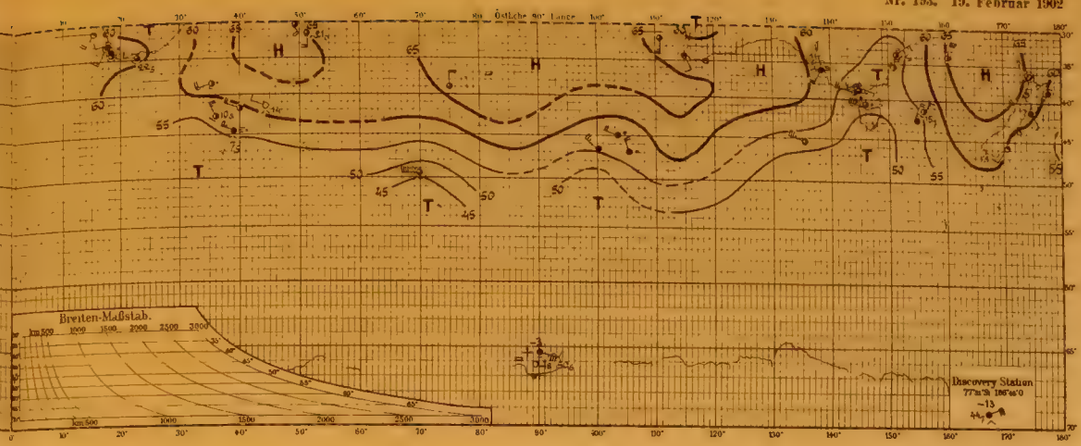
Tafel 65. Nr. 193–195.

19.–21. Februar 1902.

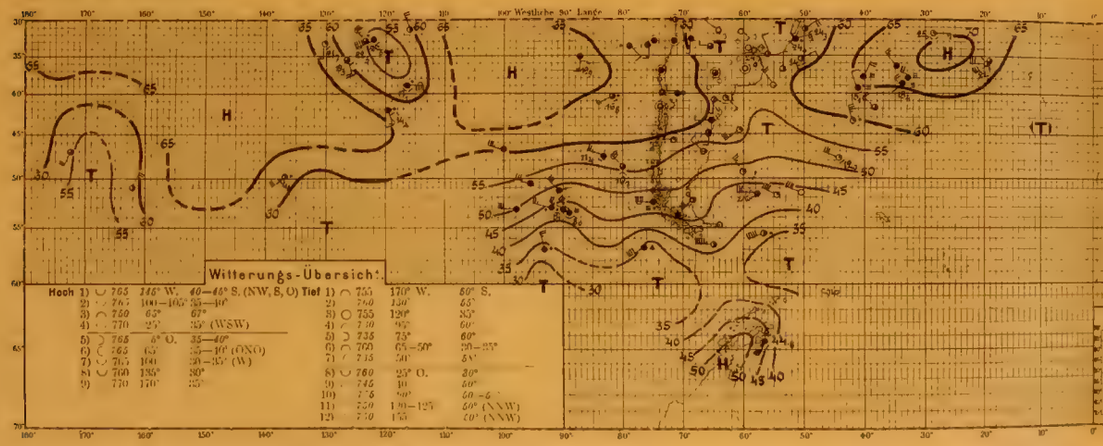
Nr. 193. 19. Februar 1902



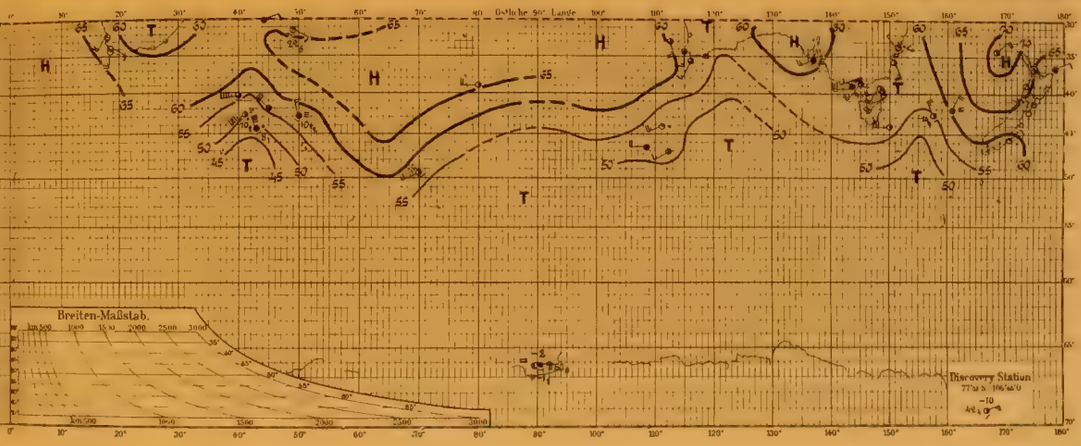
Nr. 193. 19. Februar 1902



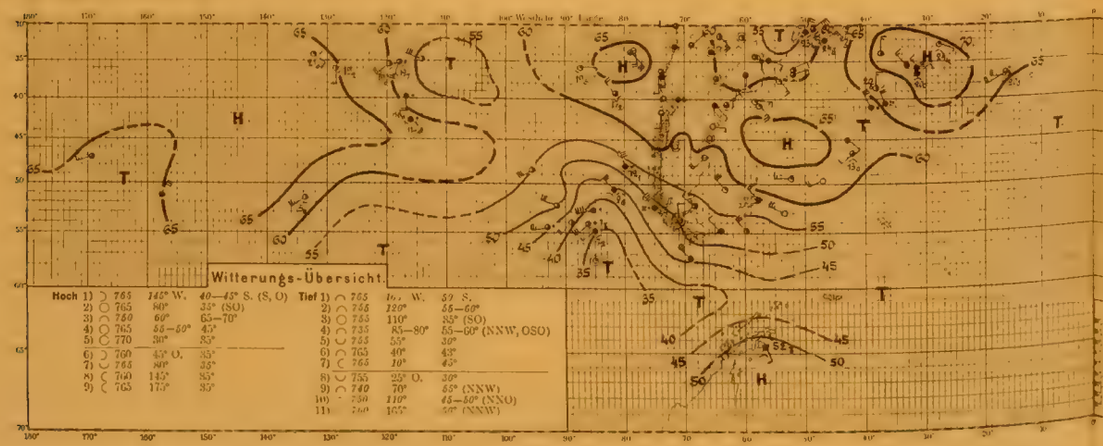
Nr. 194. 20. Februar 1902



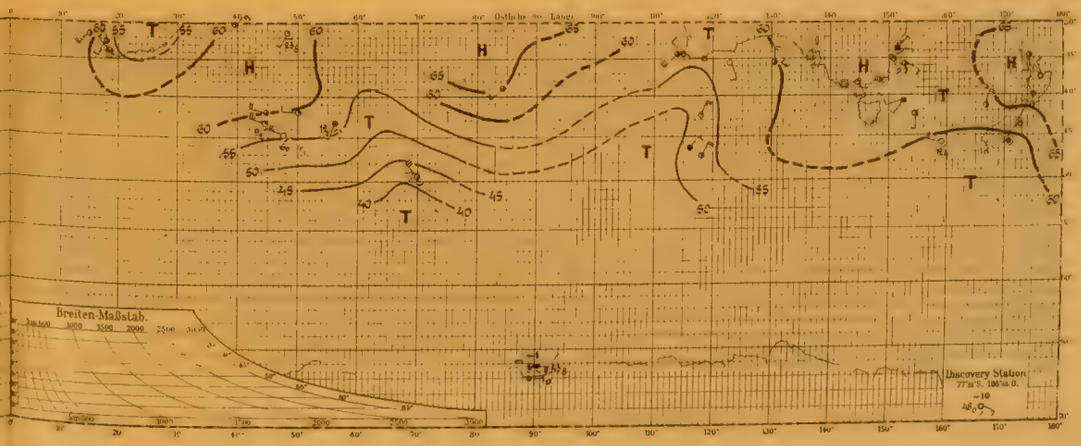
Nr. 194. 20. Februar 1902



Nr. 195. 21. Februar 1902



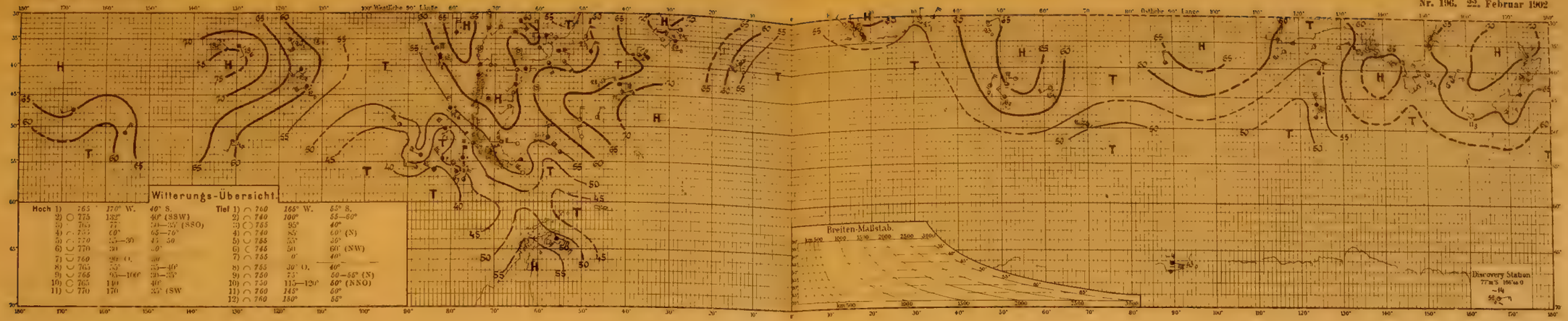
Nr. 195. 21. Februar 1902



Tafel 66. Nr. 196—198.

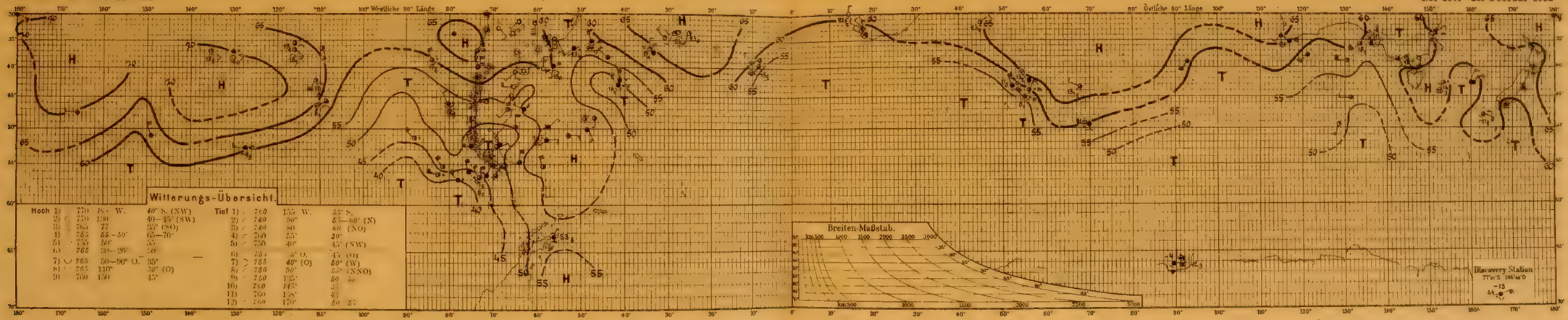
22. - 24. Februar 1902.

Nr. 196. 22. Februar 1902*)



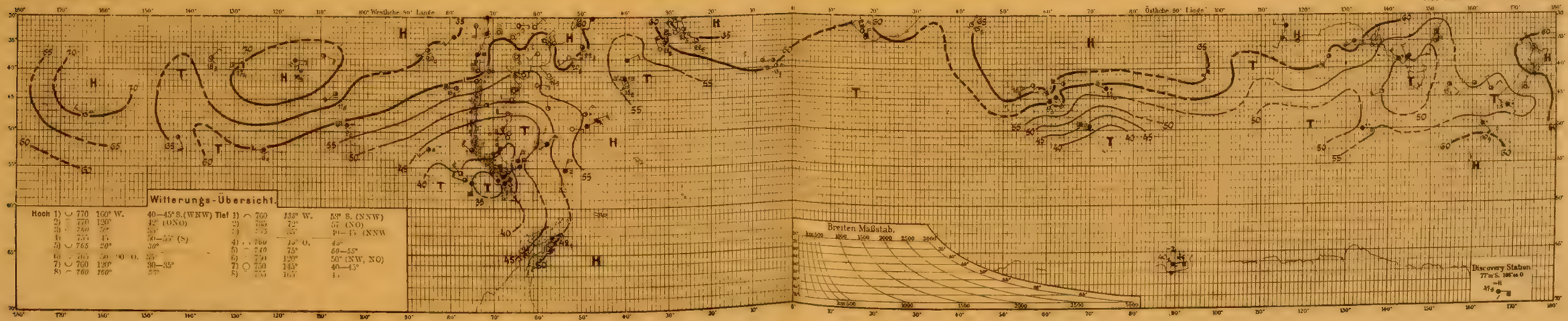
Nr. 196. 22. Februar 1902

Nr. 197. 23. Februar 1902



Nr. 197. 23. Februar 1902

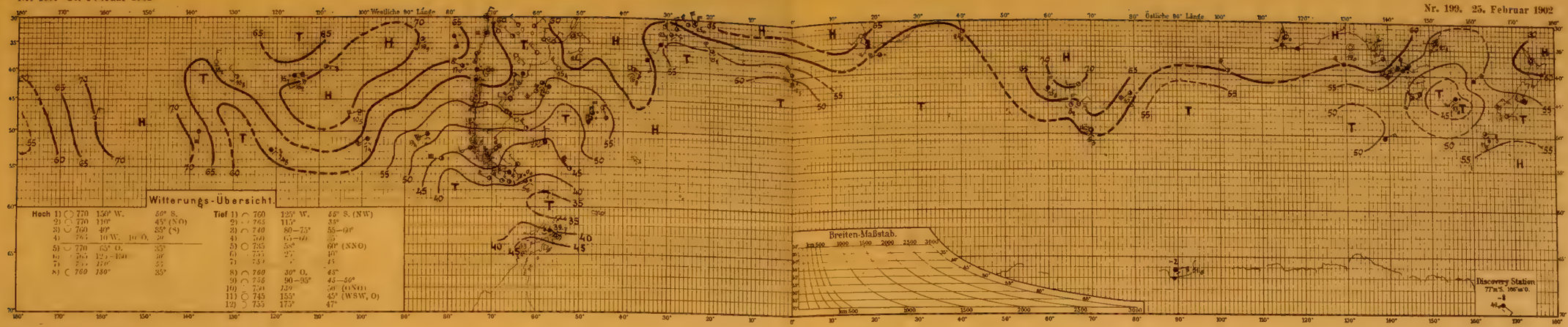
Nr. 198. 24. Februar 1902



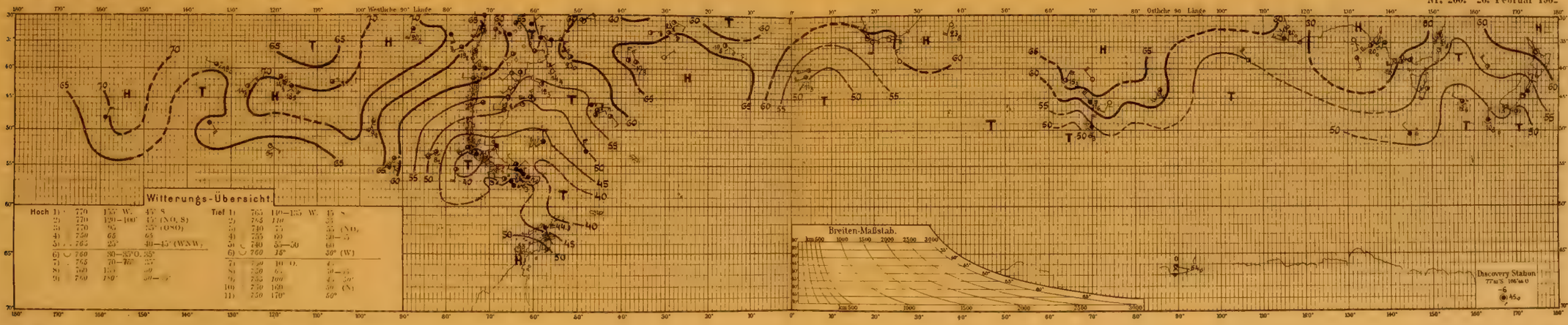
Nr. 198. 24. Februar 1902

Beginn der Beobachtungen an der Gauss-Station (66° 2' S. Br., 89° 33' O. L. v. Gr.)

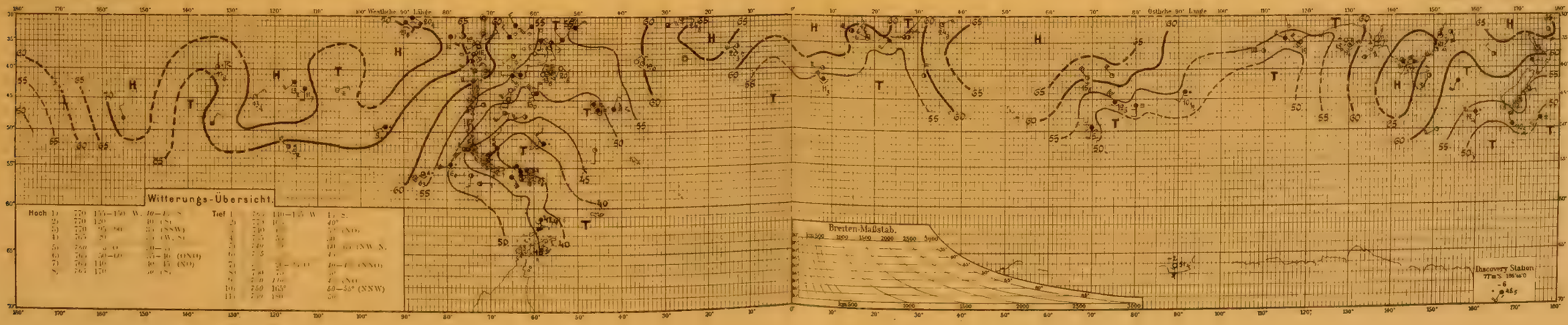
Nr. 199. 25. Februar 1902



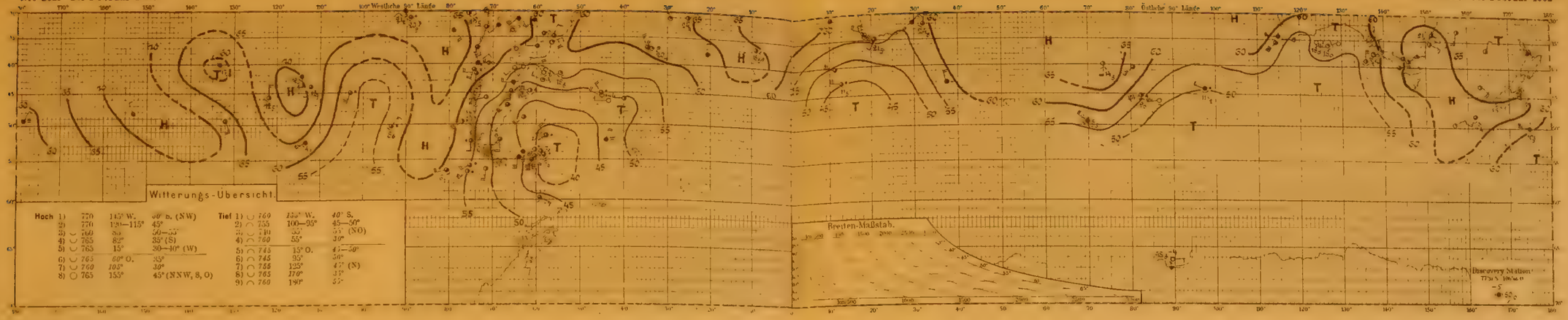
Nr. 200. 26. Februar 1902



Nr. 201. 27. Februar 1902

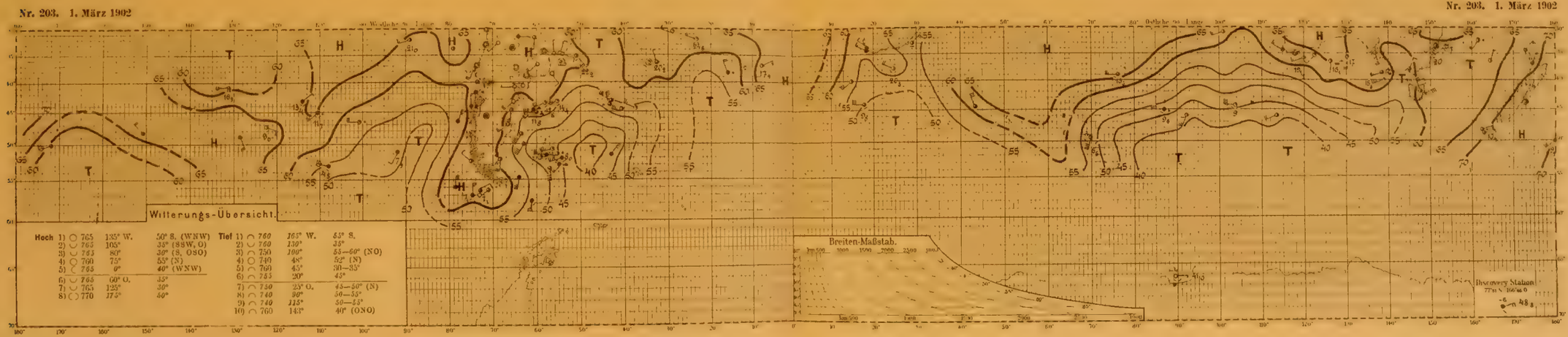


Nr. 202. 28. Februar 1902



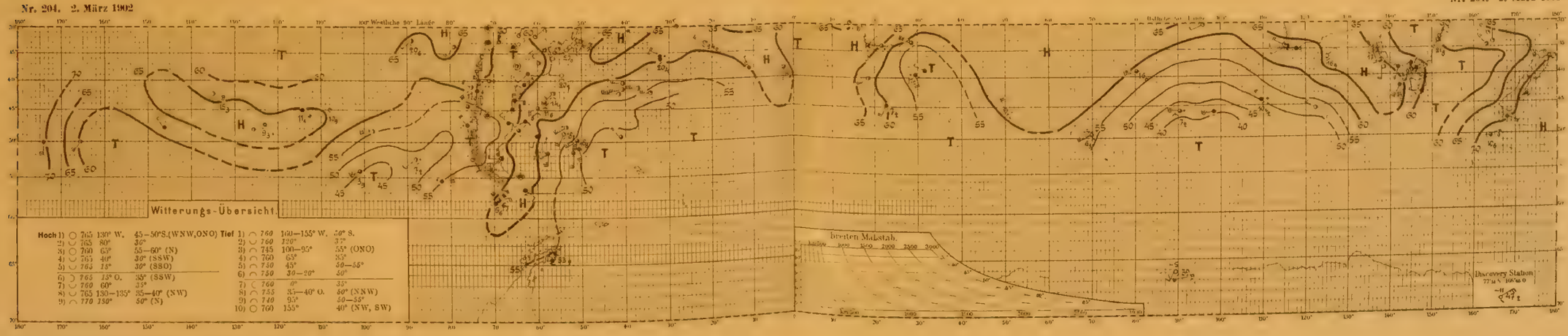
Hoch				Tief			
1)	770	145° W.	50° S. (NW)	1)	760	150° W.	40° S.
2)	770	120—115°	45°	2)	755	100—95°	45—50°
3)	760	80°	50—55°	3)	740	85°	55° (NO)
4)	765	80°	35° (S)	4)	760	55°	30°
5)	765	15°	30—40° (W)				
6)	765	60° O.	35°	5)	745	15° O.	45—50°
7)	760	105°	30°	6)	745	95°	50°
8)	765	155°	45° (NNW, S, O)	7)	755	125°	45° (N)
				8)	765	170°	35°
				9)	760	190°	55°

Nr. 203. 1. März 1902



Hoch				Tief			
1)	765	135° W.	50° S. (WNW)	1)	760	165° W.	55° S.
2)	765	105°	35° (SSW, O)	2)	760	130°	35°
3)	765	80°	30° (S, OSO)	3)	750	100°	55—60° (NO)
4)	760	75°	55° (S)	4)	740	48°	52° (N)
5)	765	0°	40° (WNW)	5)	760	45°	30—35°
				6)	745	20°	45°
6)	765	60° O.	35°				
7)	765	125°	30°	7)	750	23° O.	45—50° (N)
8)	770	175°	50°	8)	740	90°	50—55°
				9)	740	115°	50—55°
				10)	760	143°	40° (ONO)

Nr. 204. 2. März 1902



Hoch				Tief			
1)	765	130° W.	45—50° S. (WNW, ONO)	1)	760	160—155° W.	50° S.
2)	765	80°	30°	2)	760	120°	35°
3)	760	60°	55—60° (N)	3)	745	100—95°	55° (ONO)
4)	765	40°	30° (SSW)	4)	760	65°	35°
5)	765	15°	30° (SSO)	5)	750	45°	50—55°
				6)	750	30—20°	50°
6)	765	15° O.	35° (SSW)				
7)	760	60°	35°	7)	760	0°	35°
8)	765	130—135°	35—40° (NW)	8)	755	35—40° O.	50° (NNW)
9)	770	150°	50° (N)	9)	740	95°	50—55°
				10)	760	155°	40° (NW, SW)

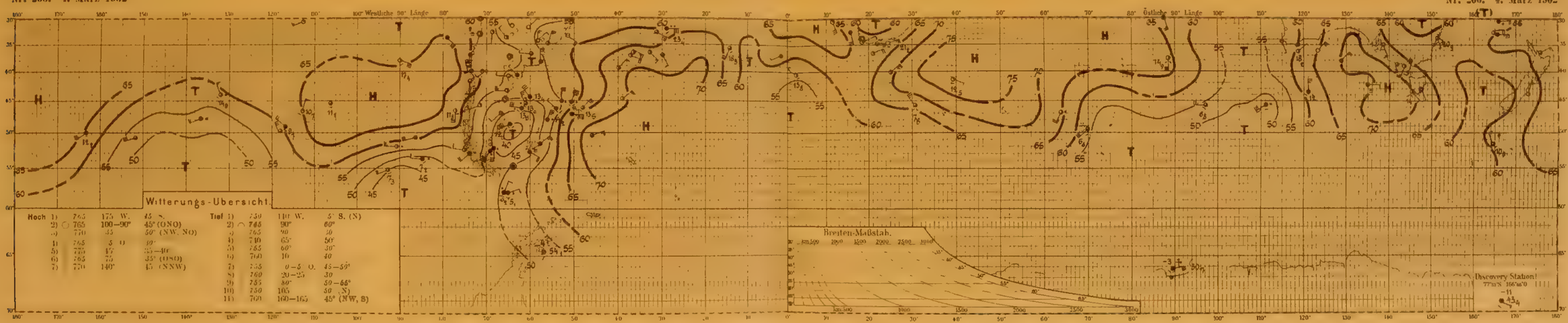
Beginn der Beobachtungen an der Snow-Hill-Station (64° 22′ S. Br., 57° 0′ W. L. v. Gr.)

Tafel 69. Nr. 205—207.

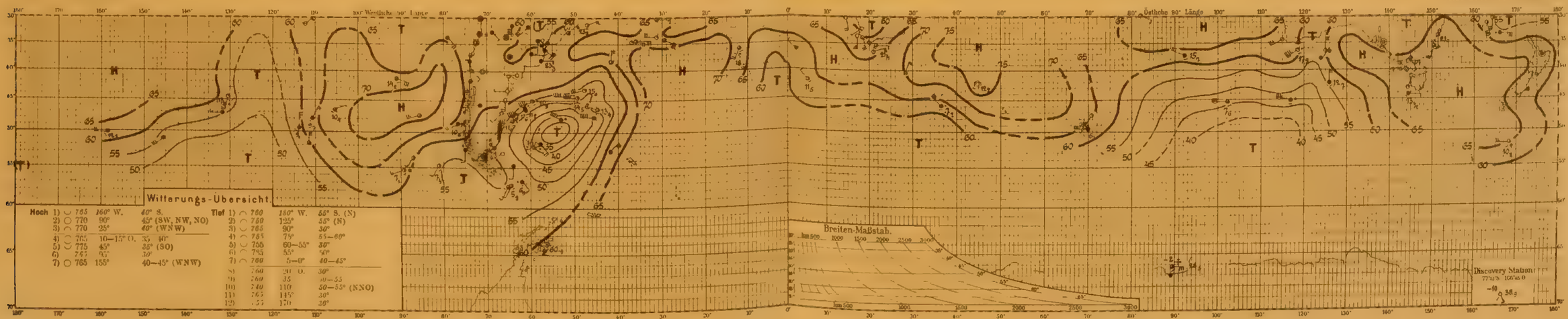
3.—5. März 1902.

Nr. 205. 3. März 1902

Nr. 206. 4. März 1902



Nr. 207. 5. März 1902



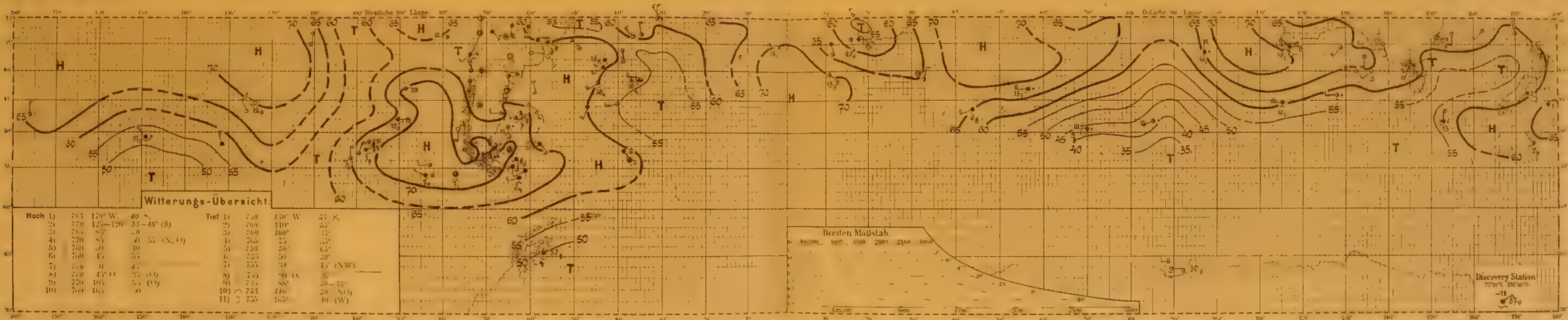
Tafel 70. Nr. 208—210.

6. 8. März 1902.

Nr. 208. 6. März 1902

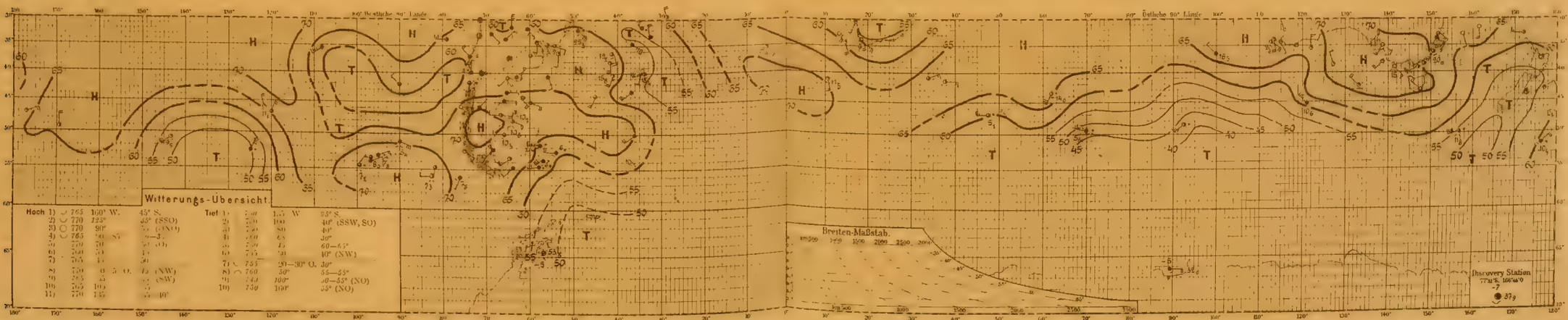
Nr. 208. 6. März 1902

Nr. 209. 7. März 1902



Nr. 209. 7. März 1902

Nr. 210. 8. März 1902

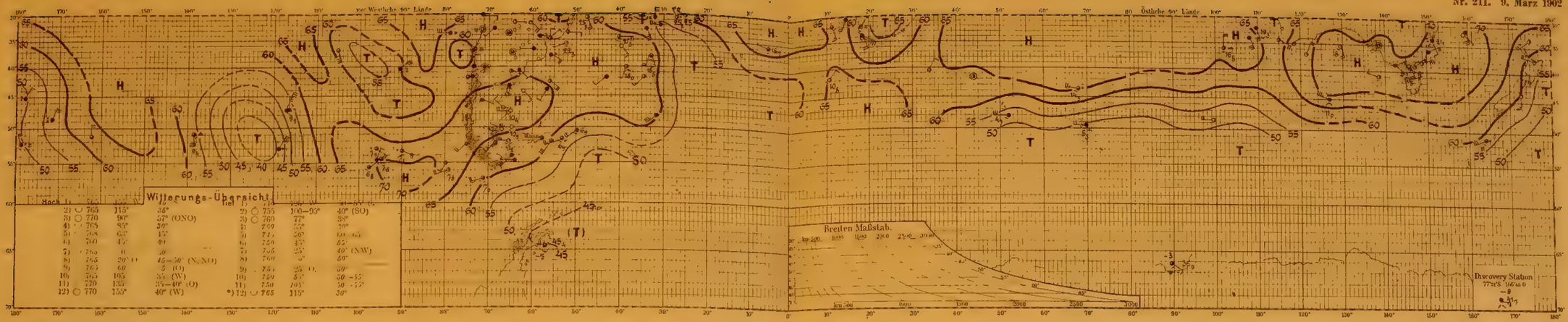


Nr. 210. 8. März 1902

Tafel 71. Nr. 211—213.

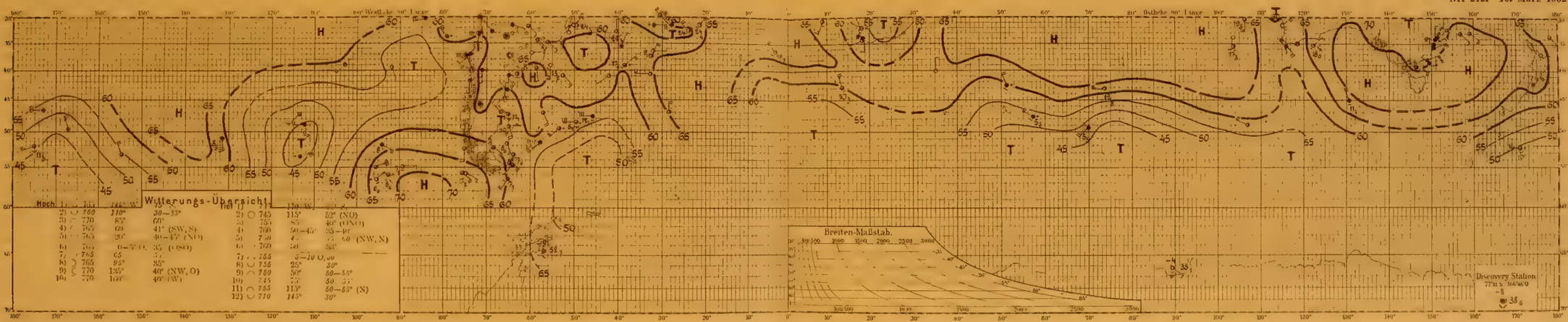
9.—11. März 1902.

Nr. 211. 9. März 1902



Nr. 211. 9. März 1902

Nr. 212. 10. März 1902



Nr. 212. 10. März 1902

Nr. 213. 11. März 1902

Nr. 213. 11. März 1902

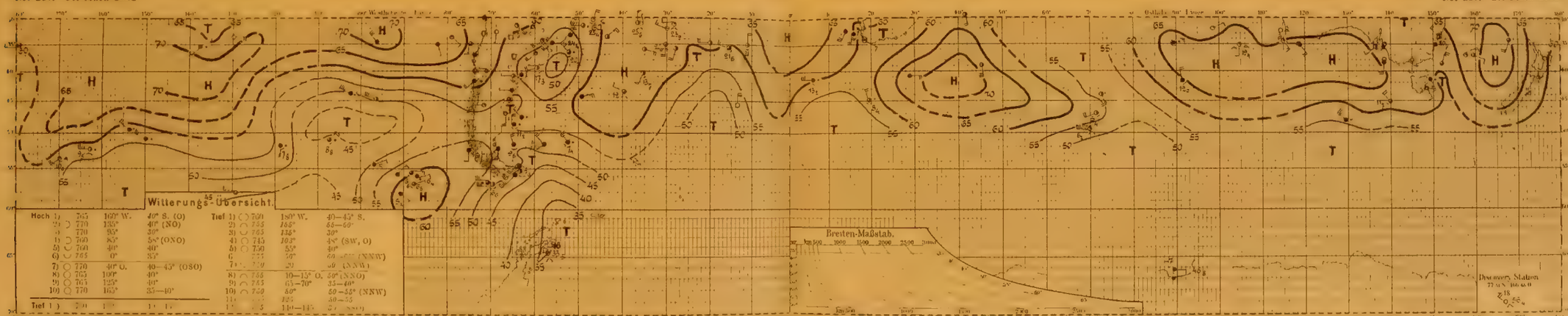
Tafel 72. Nr. 214—216.

12.—14. März 1902.

Nr. 214. 12. März 1902

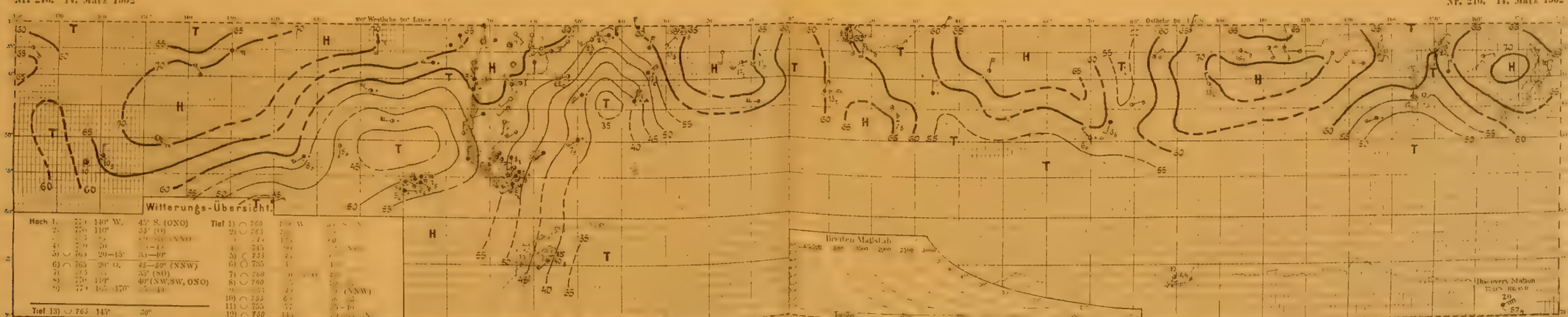
Nr. 214. 12. März 1902

Nr. 215. 13. März 1902



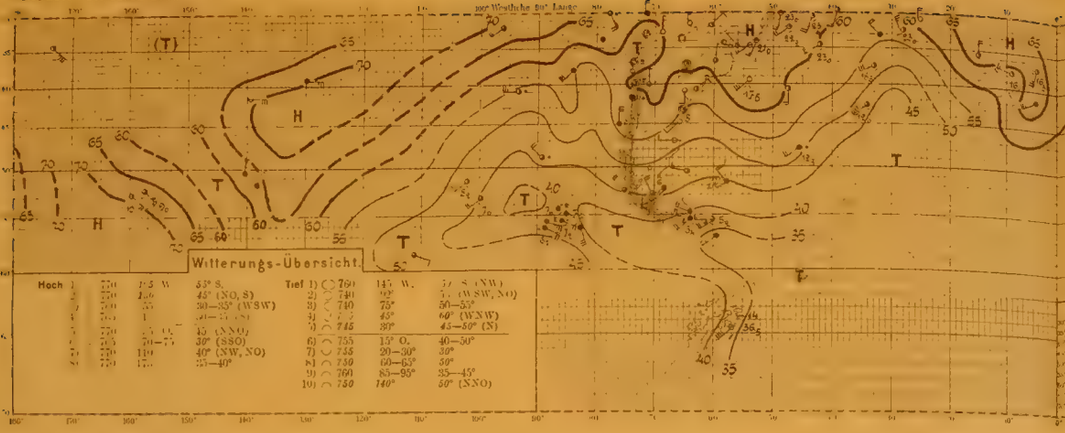
Nr. 215. 13. März 1902

Nr. 216. 14. März 1902



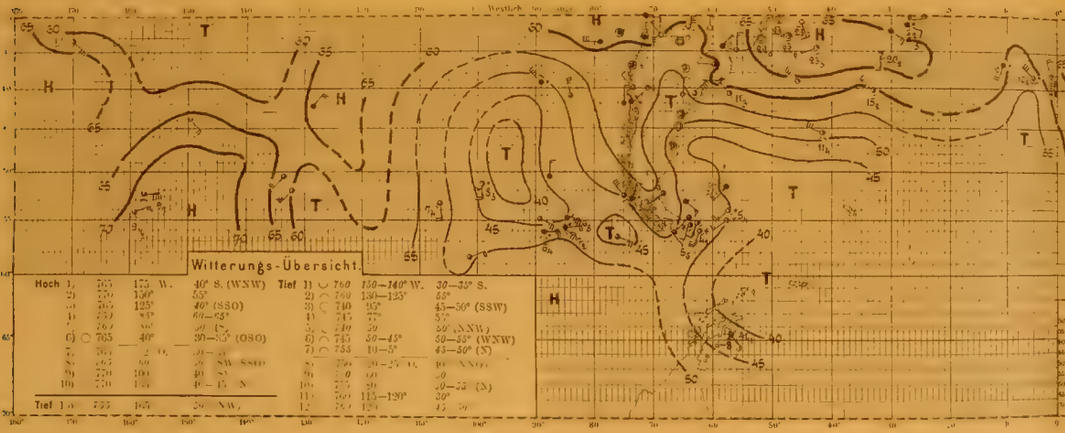
Nr. 216. 14. März 1902

Nr. 217. 15. März 1902

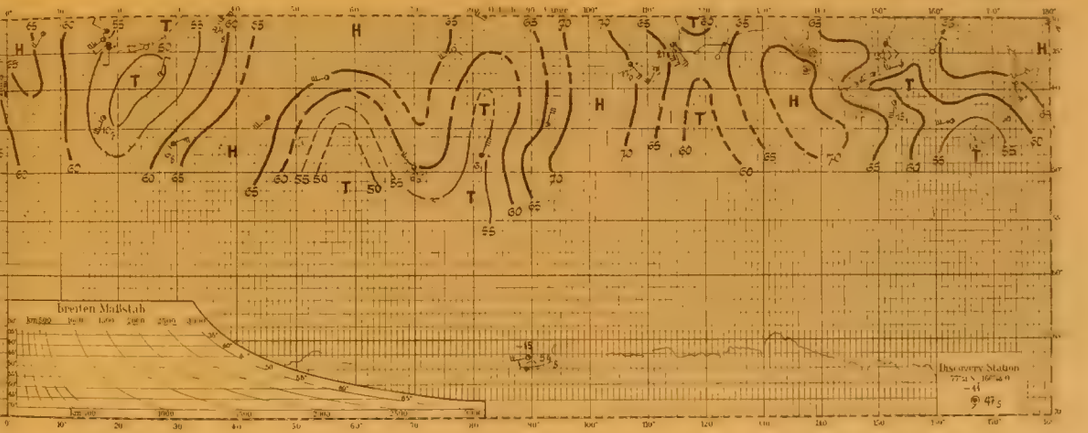


Nr. 217. 15. März 1902

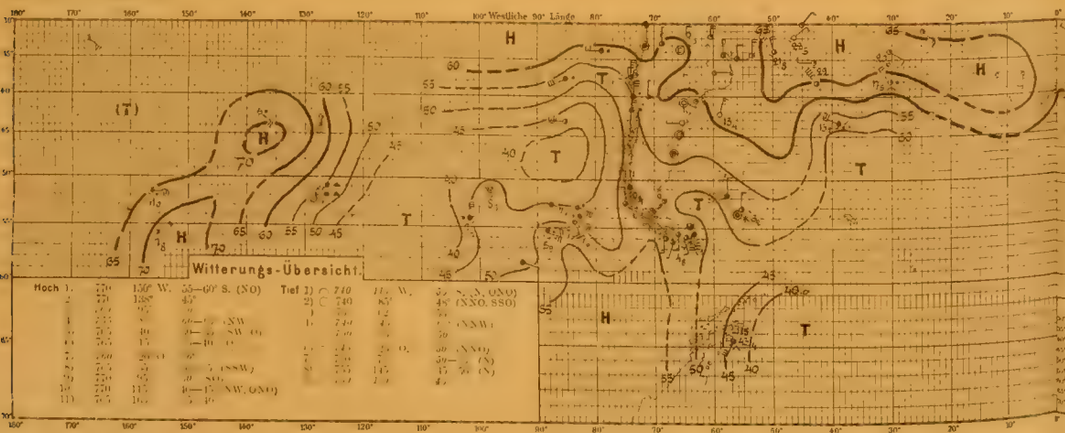
Nr. 218. 16. März 1902



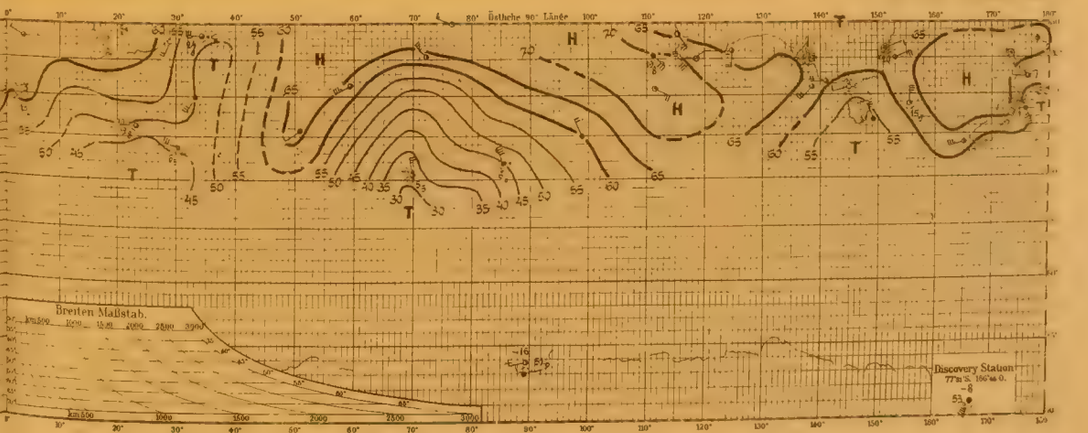
Nr. 218. 16. März 1902



Nr. 219. 17. März 1902



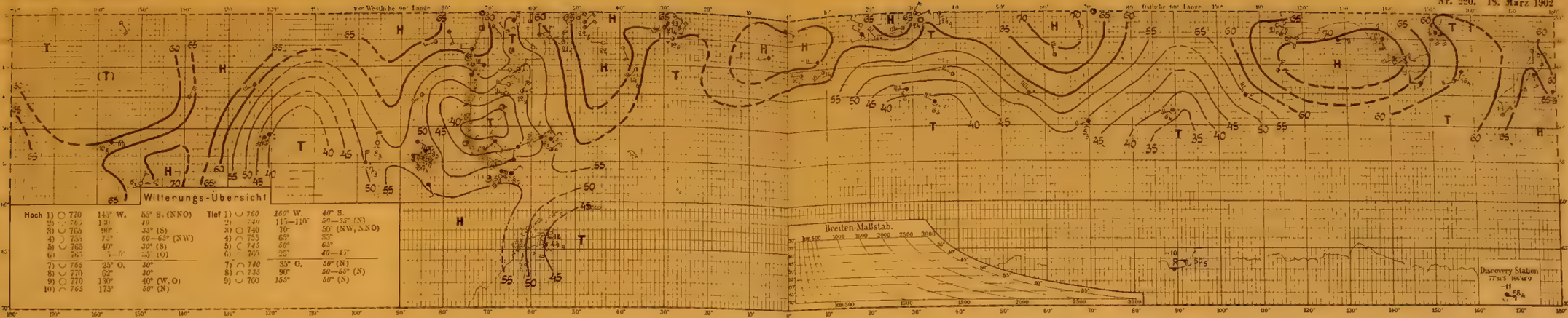
Nr. 219. 17. März 1902



Tafel 74. Nr. 220–222.

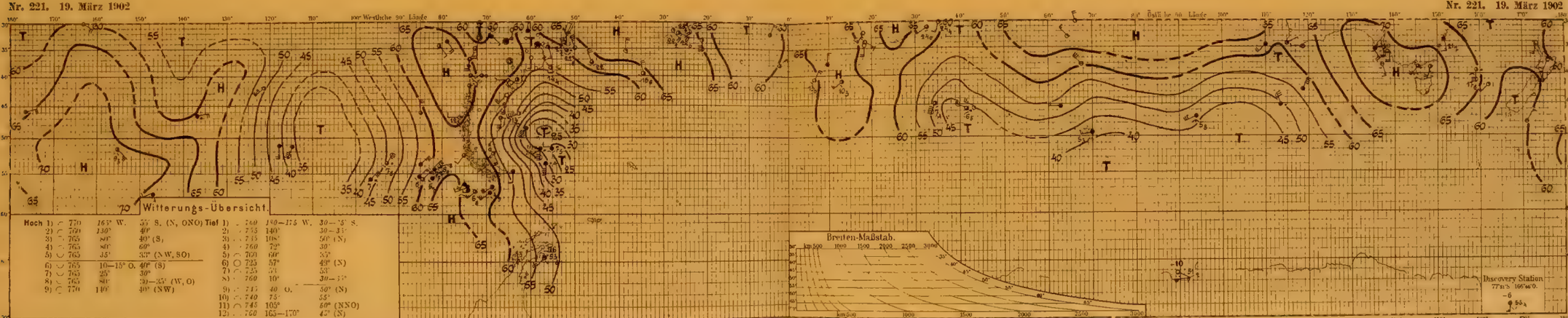
18.–20. März 1902.

Nr. 220. 18. März 1902



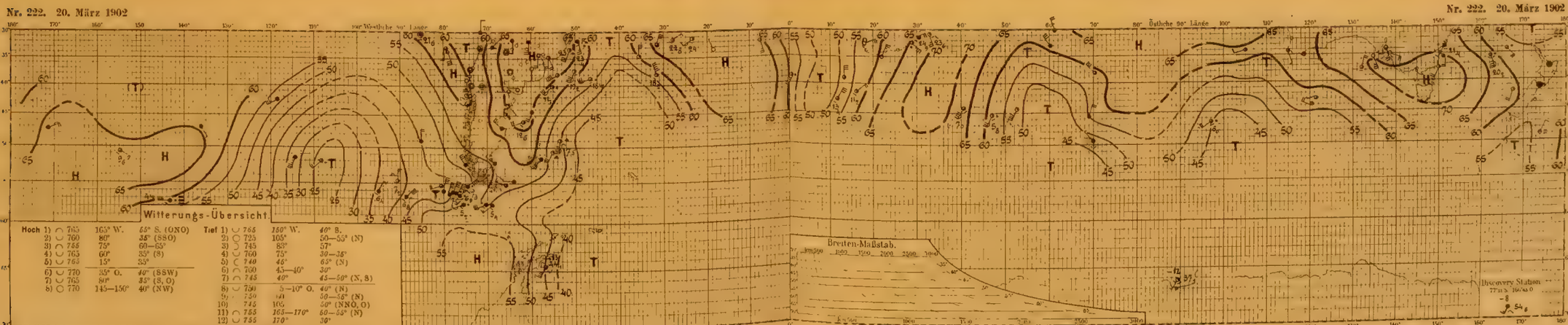
Hoch				Tief			
1)	○ 770	145° W.	55° S. (NNO)	1)	○ 760	160° W.	40° S.
2)	◡ 765	130°	40°	2)	740	115—110°	50—55° (N)
3)	◡ 765	90°	35° (S)	3)	○ 740	70°	50° (NW, NNO)
4)	◡ 755	75°	60—65° (NW)	4)	∩ 755	65°	35°
5)	◡ 765	40°	30° (S)	5)	⊂ 745	50°	65°
6)	◡ 765	0—10° O.	35° (O)	6)	○ 760	25°	40—45°
7)	◡ 765	25° O.	30°	7)	∩ 740	35° O.	50° (N)
8)	○ 770	62°	30°	8)	∩ 735	90°	50—55° (S)
9)	○ 770	130°	40° (W, O)	9)	○ 760	155°	50° (N)
10)	∩ 765	175°	60° (N)				

Nr. 221. 19. März 1902



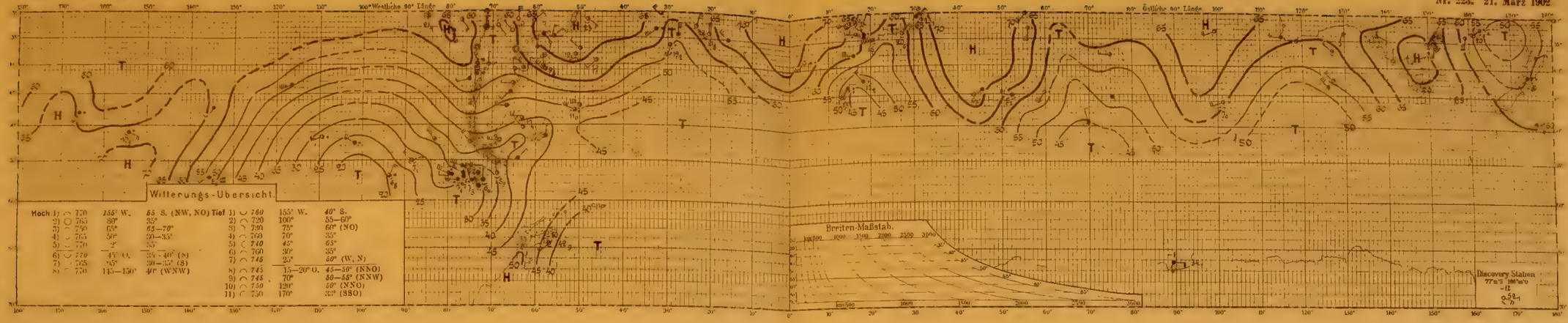
Hoch				Tief			
1)	∩ 770	163° W.	55° S. (N, ONO)	1)	. 760	150—175° W.	30—35° S.
2)	∩ 760	130°	40°	2)	. 755	140°	30—35°
3)	◡ 765	80°	40° (S)	3)	. 735	108°	50° (N)
4)	◡ 765	80°	60°	4)	. 760	72°	30°
5)	◡ 765	35°	35° (NW, SO)	5)	∩ 760	60°	55°
6)	◡ 765	10—15° O.	40° (S)	6)	○ 725	57°	40° (N)
7)	◡ 765	25°	30°	7)	∩ 735	70°	50°
8)	◡ 765	30°	30—35° (W, O)	8)	. 760	10°	30—35°
9)	○ 770	140°	40° (NW)	9)	. 745	40° O.	50° (N)
				10)	∩ 740	75°	55°
				11)	∩ 745	105°	60° (NNO)
				12)	. 760	165—170°	45° (S)

Nr. 222. 20. März 1902

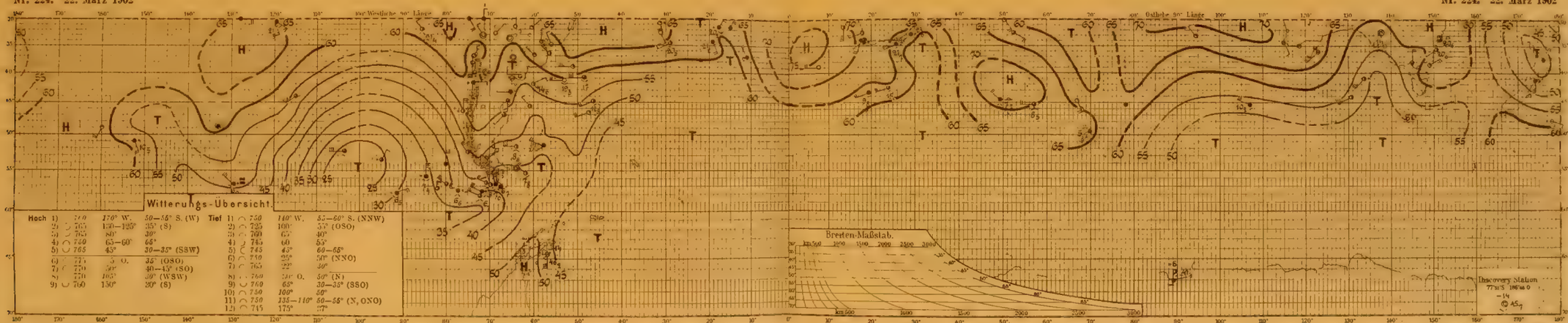


Hoch				Tief			
1)	∩ 765	165° W.	65° S. (ONO)	1)	◡ 765	150° W.	40° S.
2)	◡ 760	80°	35° (SSO)	2)	○ 725	105°	50—55° (N)
3)	◡ 755	75°	60—65°	3)	◡ 745	83°	57°
4)	◡ 765	60°	35° (S)	4)	◡ 760	75°	30—35°
5)	◡ 765	15°	35°	5)	⊂ 740	46°	65° (N)
6)	◡ 770	35° O.	40° (SSW)	6)	∩ 760	45—40°	30°
7)	◡ 765	80°	35° (S, O)	7)	∩ 745	40°	45—50° (N, S)
8)	○ 770	145—150°	40° (NW)	8)	◡ 750	5—10° O.	40° (N)
				9)	◡ 750	60	50—55° (N)
				10)	745	105	50° (NNO, O)
				11)	∩ 755	165—170°	50—55° (N)
				12)	◡ 755	170°	30°

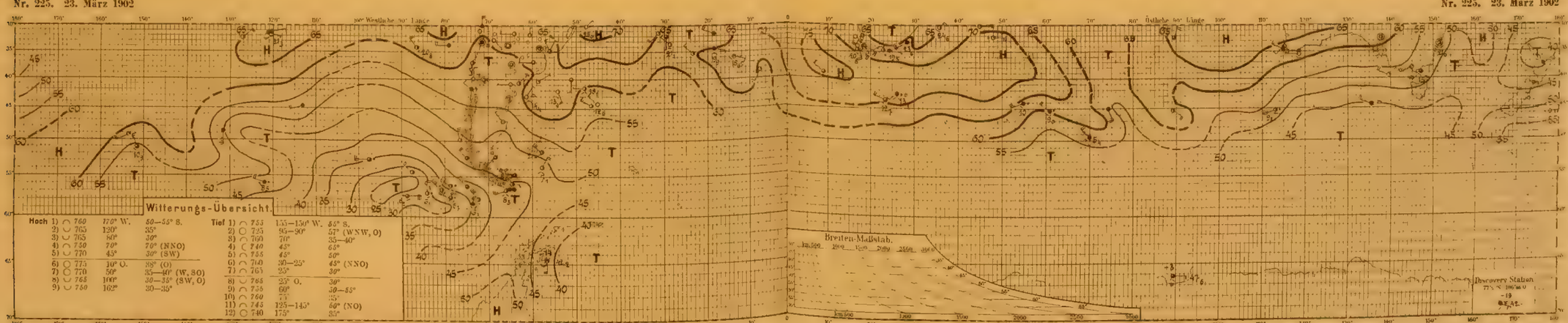
Nr. 223. 21. März 1902



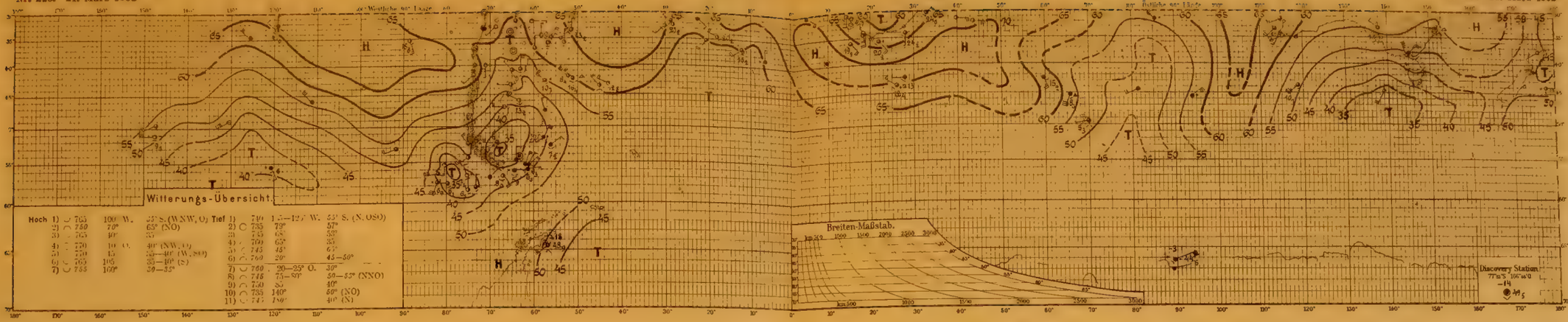
Nr. 224. 22. März 1902



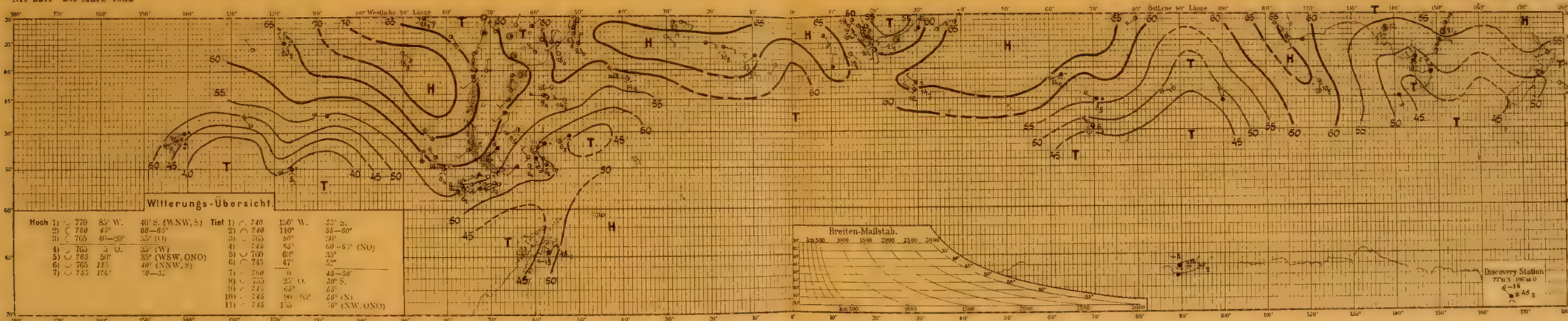
Nr. 225. 23. März 1902



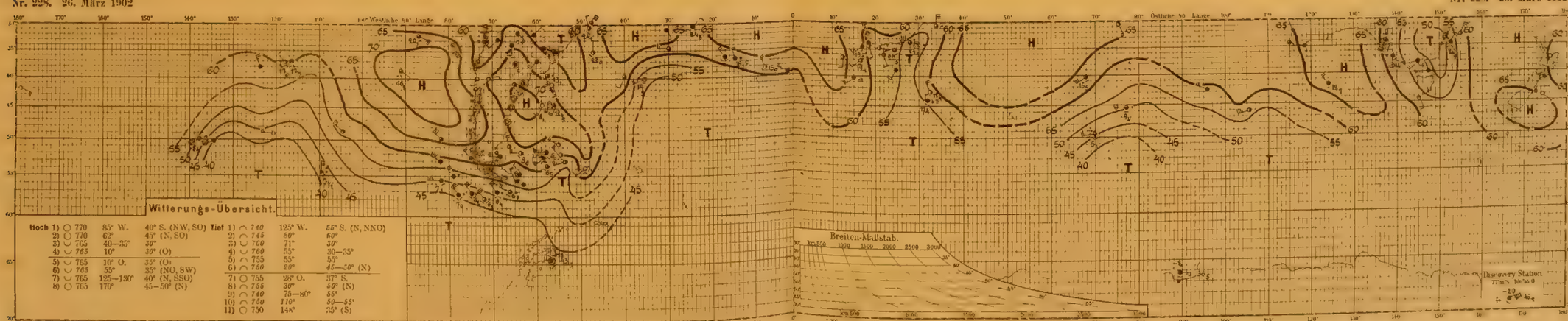
Nr. 226. 24. März 1902



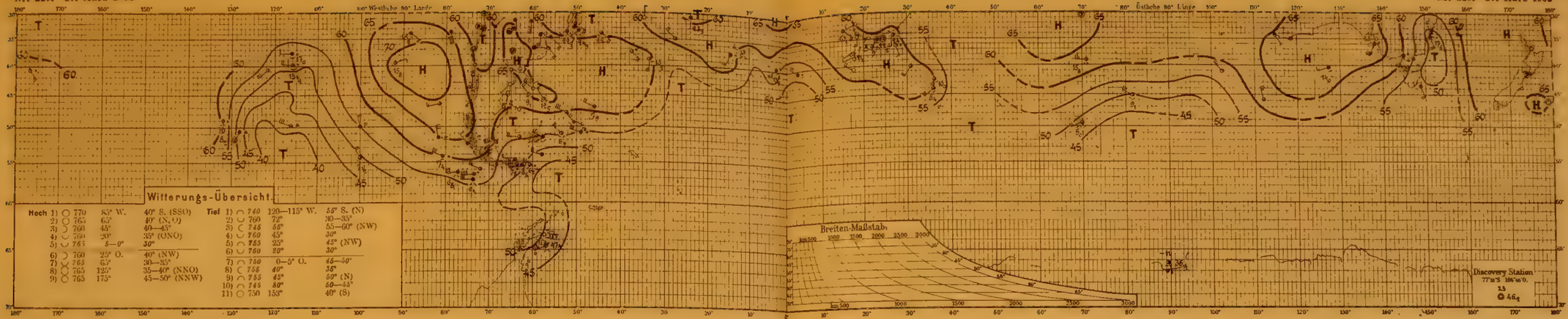
Nr. 227. 25. März 1902



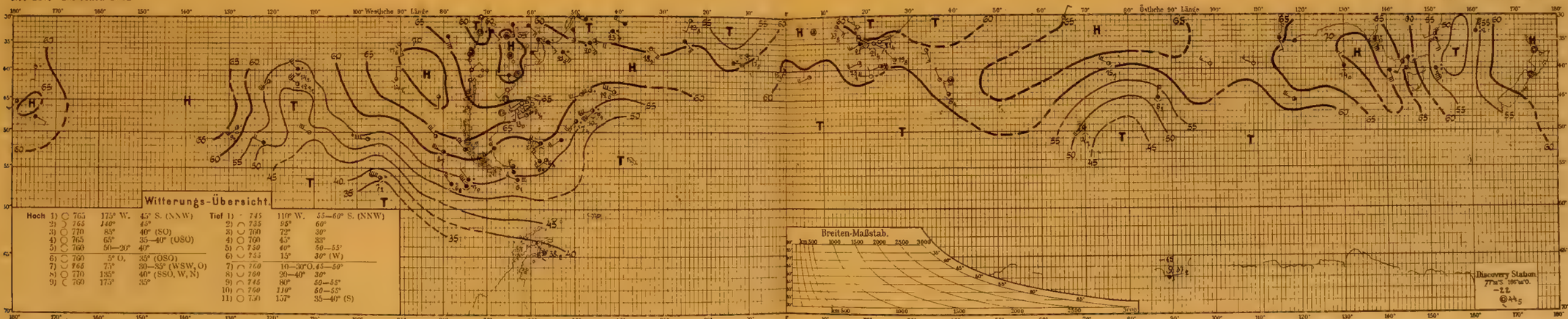
Nr. 228. 26. März 1902



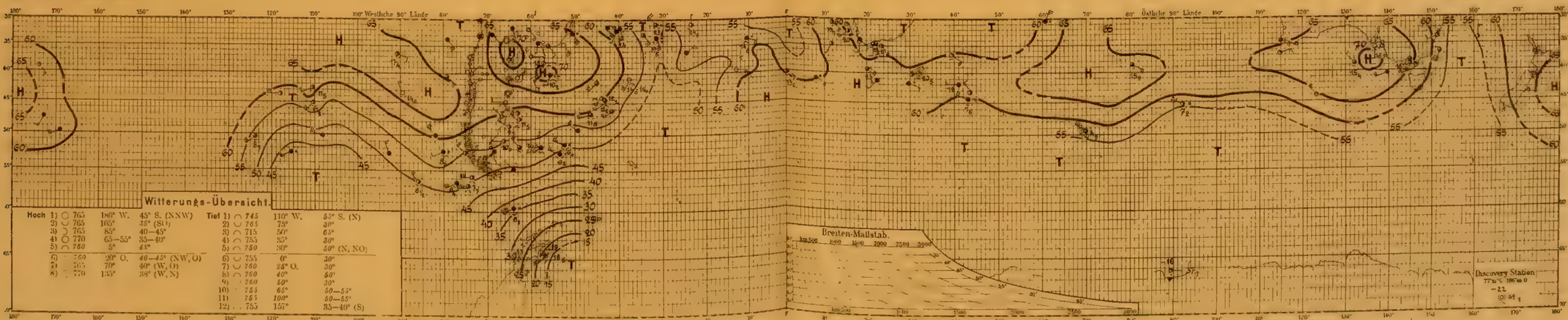
Nr. 229. 27. März 1902



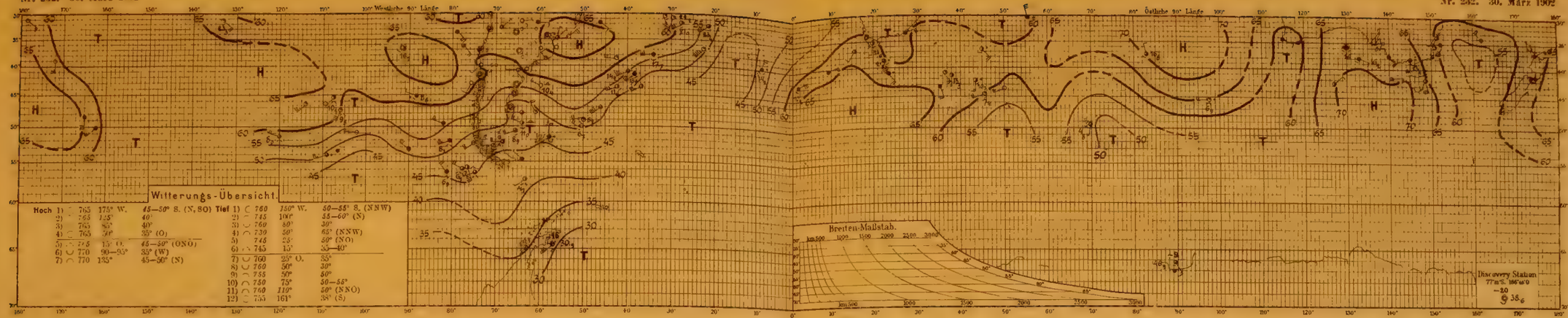
Nr. 230. 28. März 1902



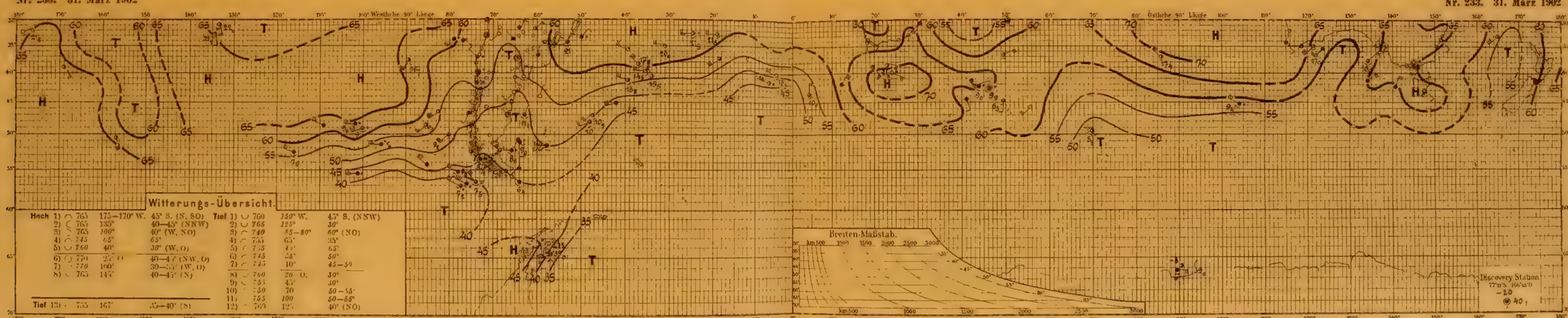
Nr. 231. 29. März 1902



Nr. 232. 30. März 1902

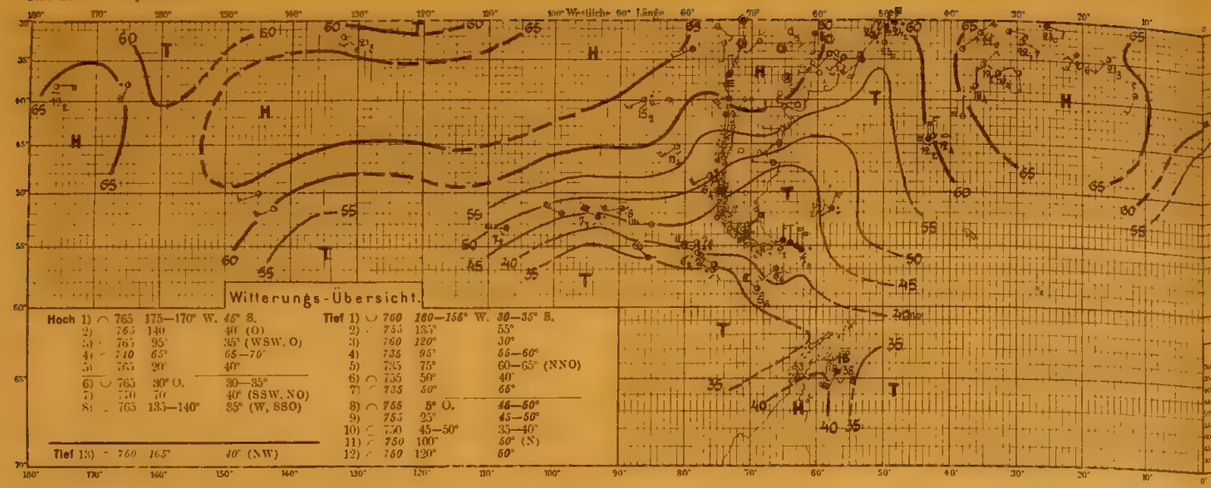


Nr. 233. 31. März 1902

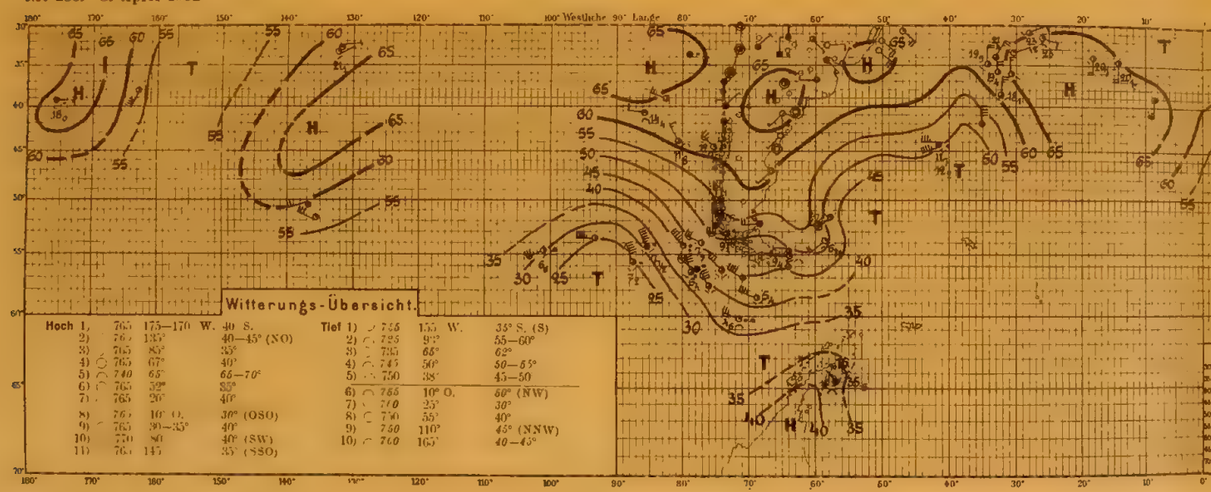


Nr. 234. 1. April 1902

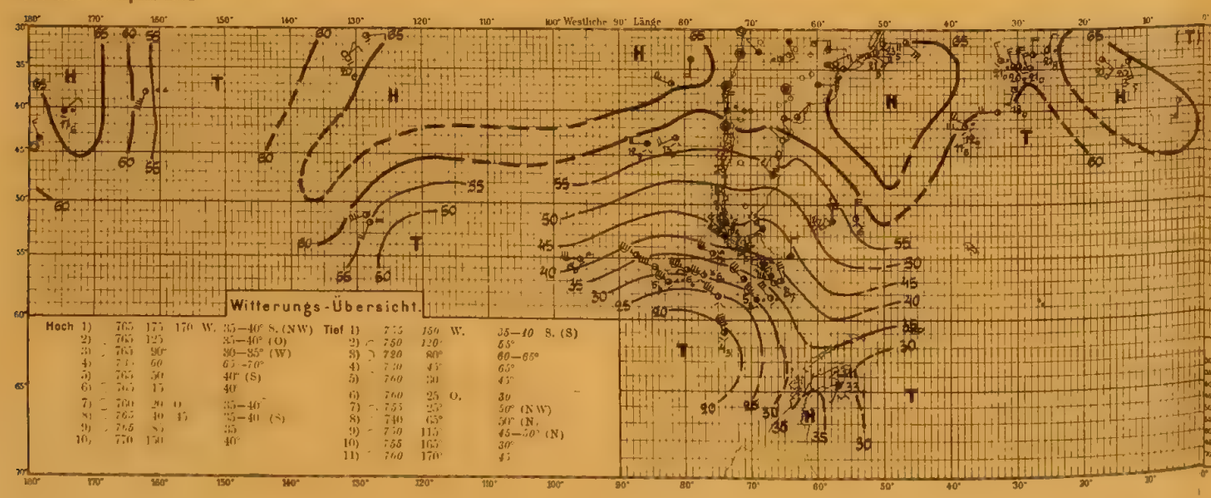
Nr. 235. 2. April 1902



Nr. 236. 3. April 1902

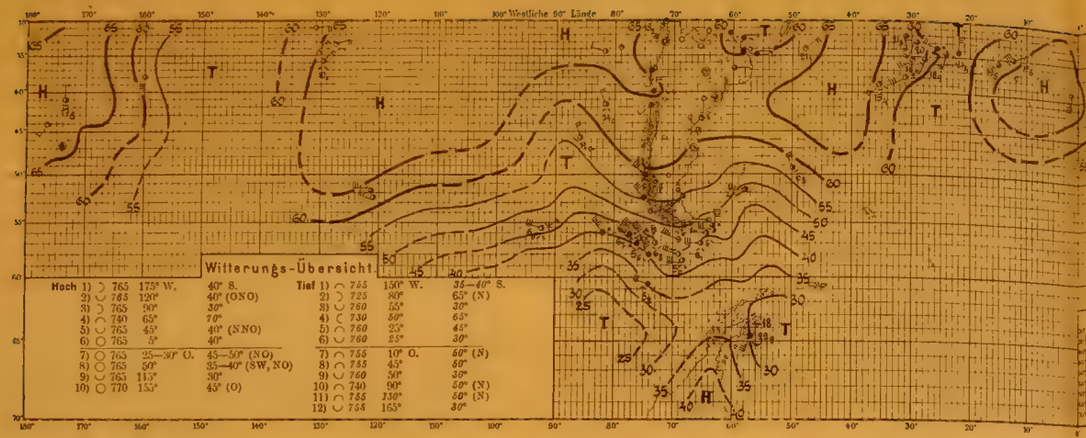


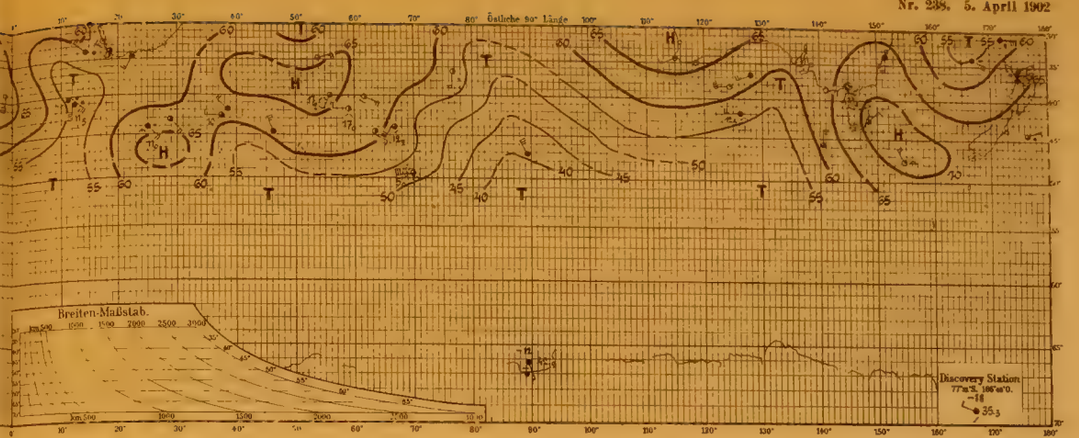
Nr. 237. 4. April 1902



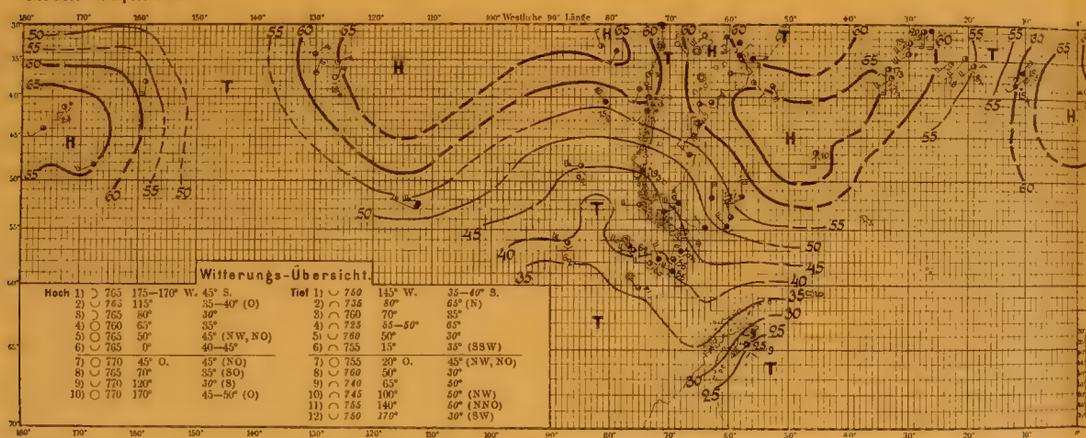
Nr. 237. 4. April 1902

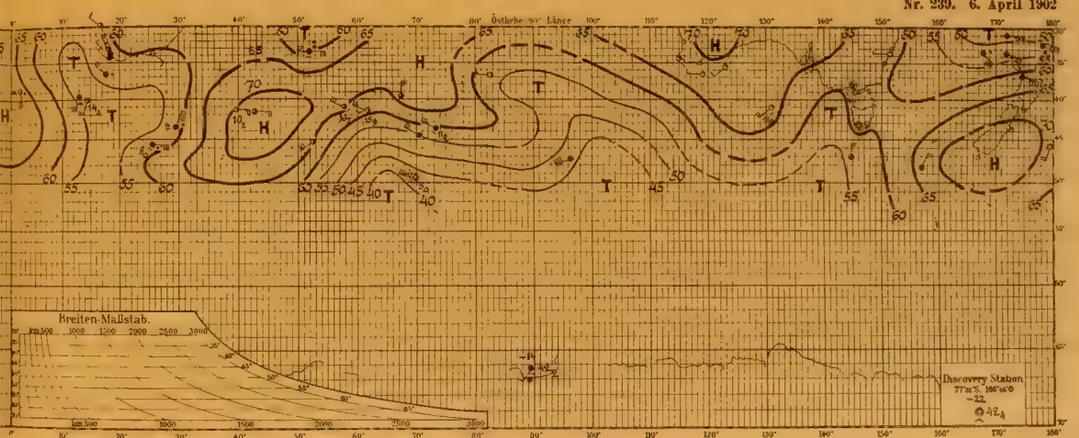
Nr. 238. 5. April 1902



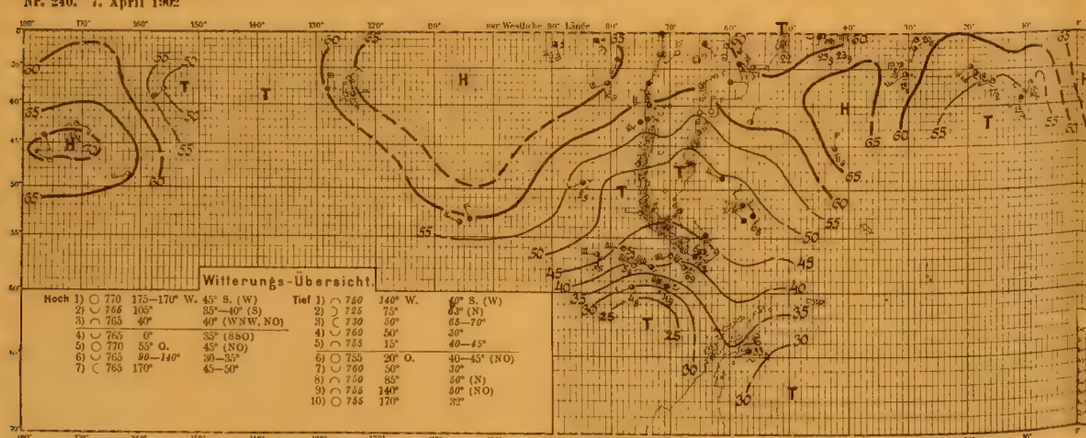


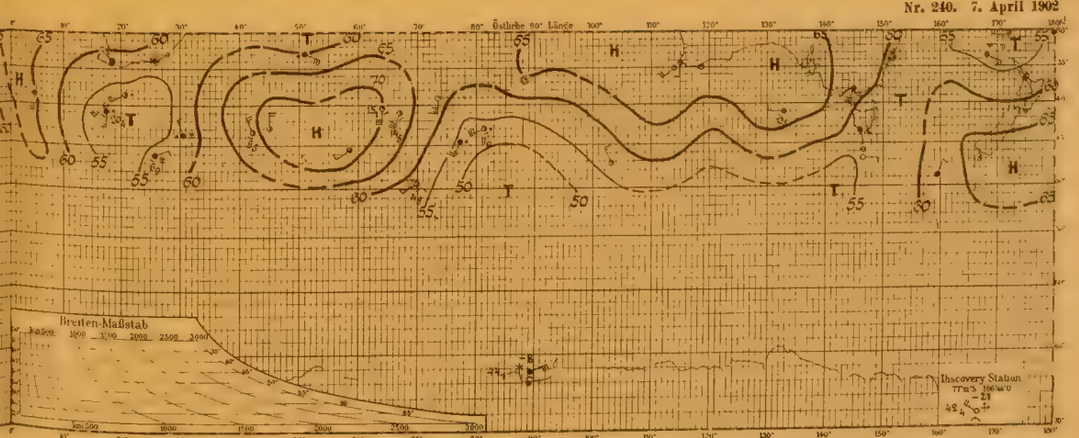
Nr. 239. 6. April 1902





Nr. 240. 7. April 1902

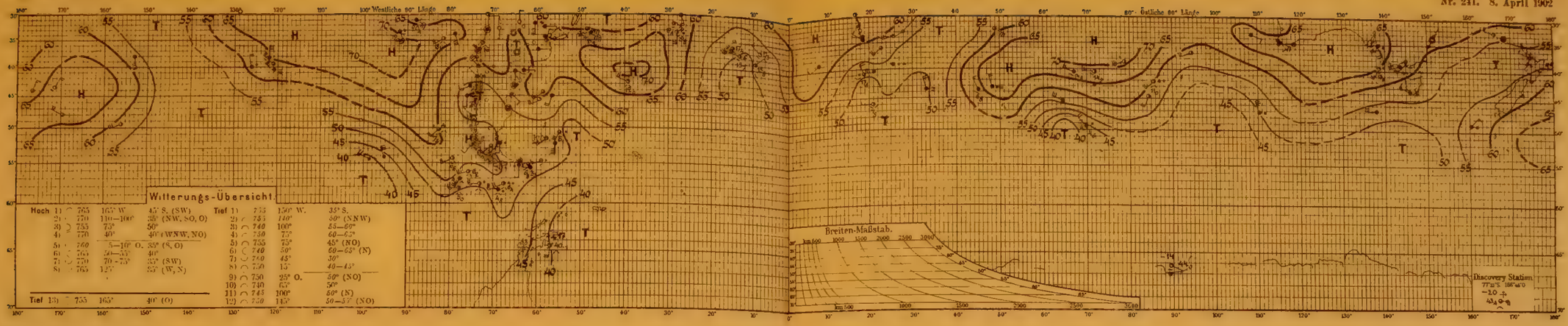




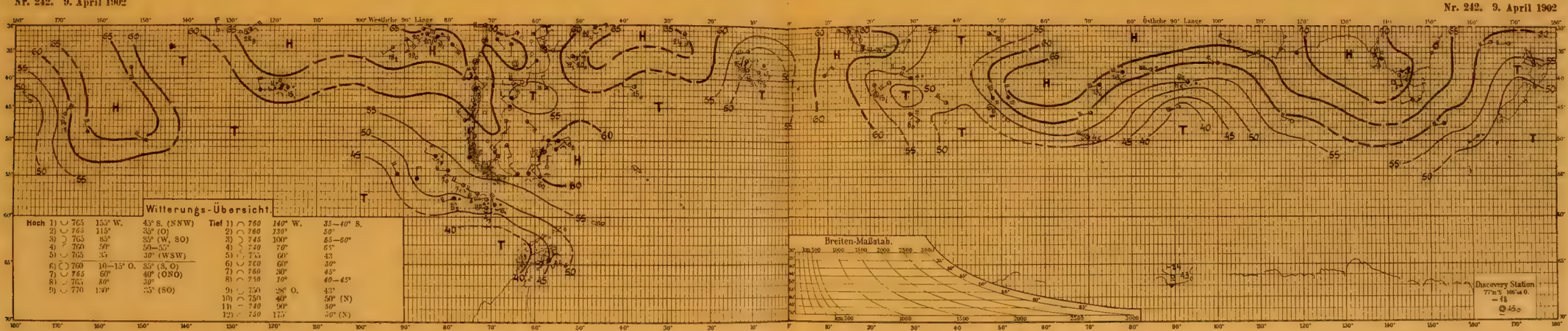
Tafel 81. Nr. 241—243.

8.—10. April 1902.

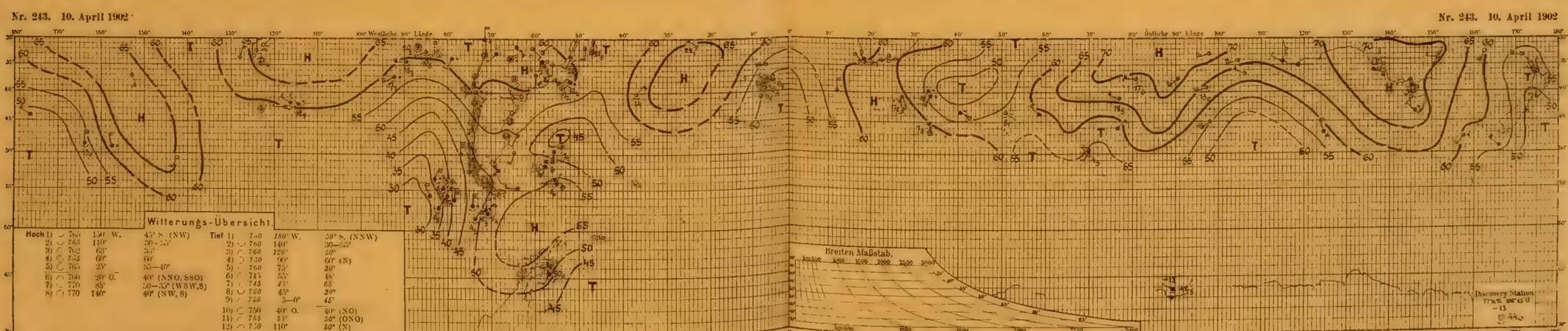
Nr. 241. 8. April 1902



Nr. 242. 9. April 1902



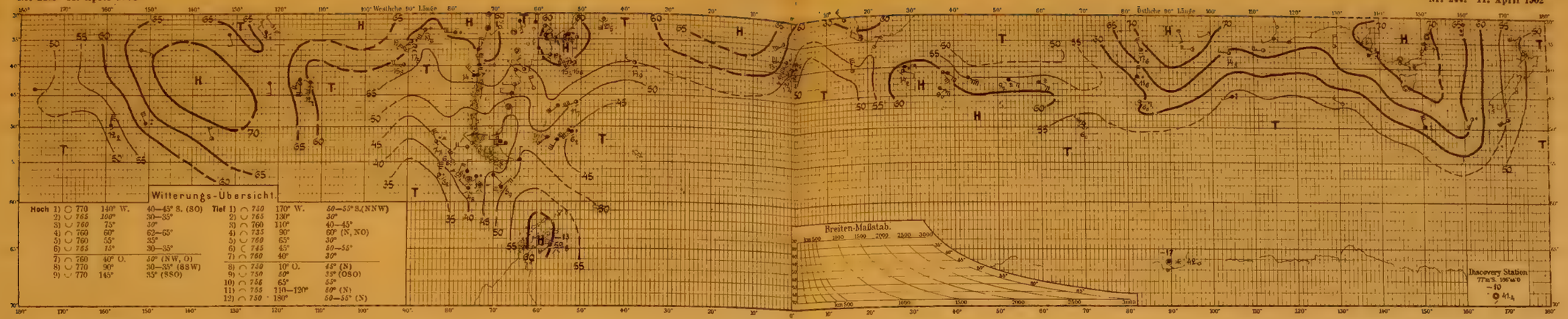
Nr. 243. 10. April 1902



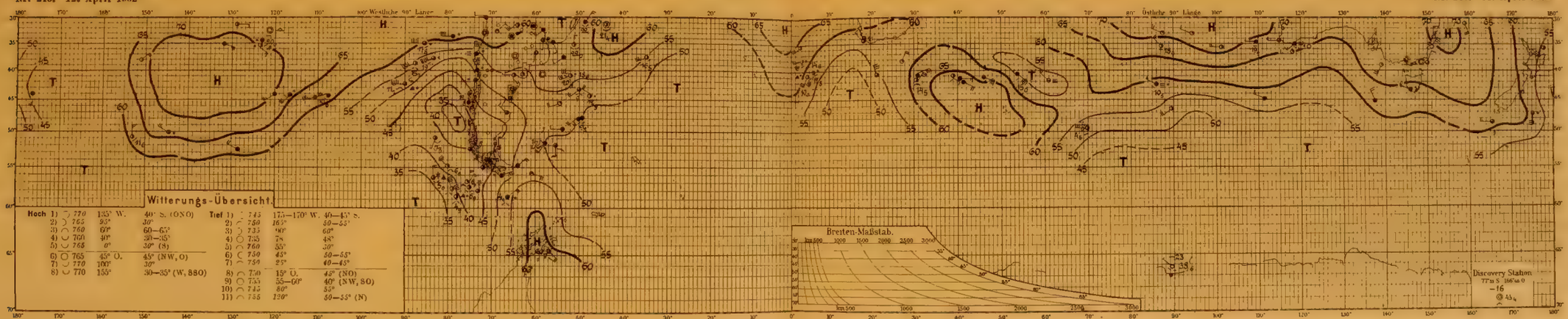
Tafel 82. Nr. 244—246.

11.—13. April 1902.

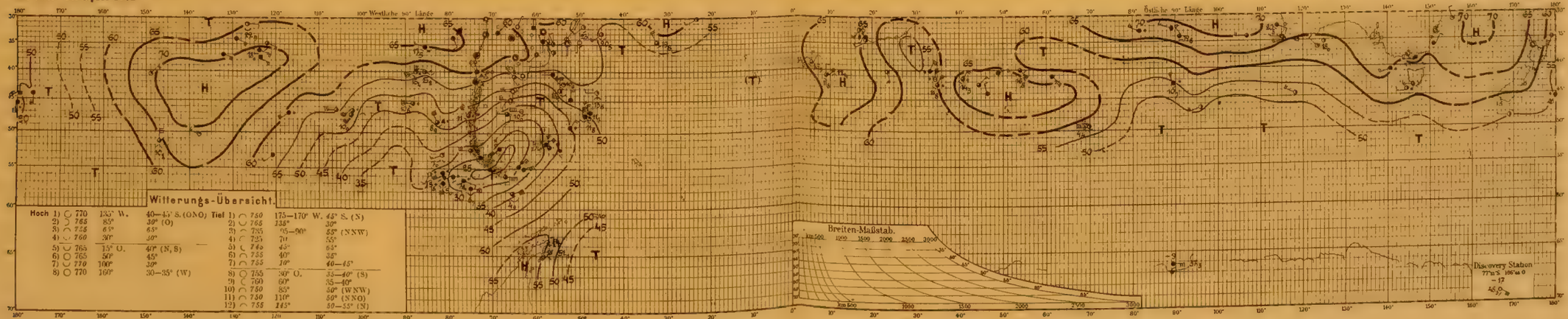
Nr. 244. 11. April 1902



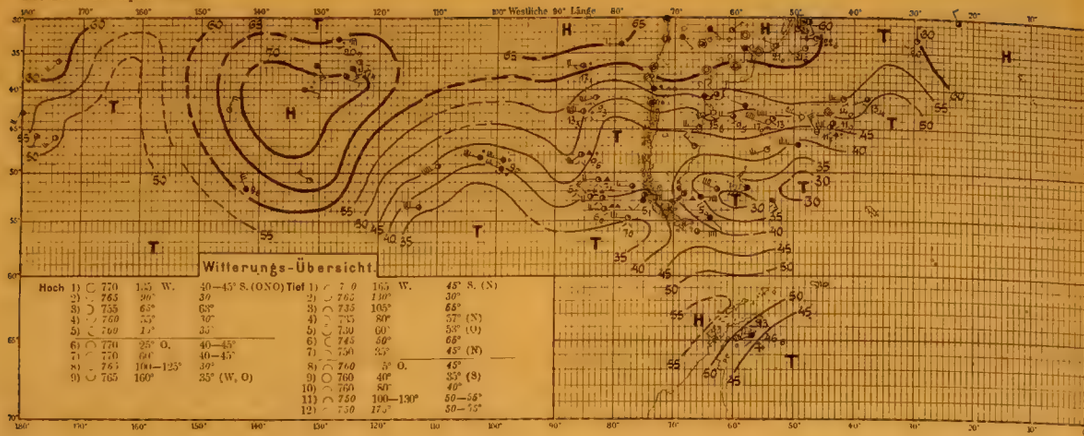
Nr. 245. 12. April 1902



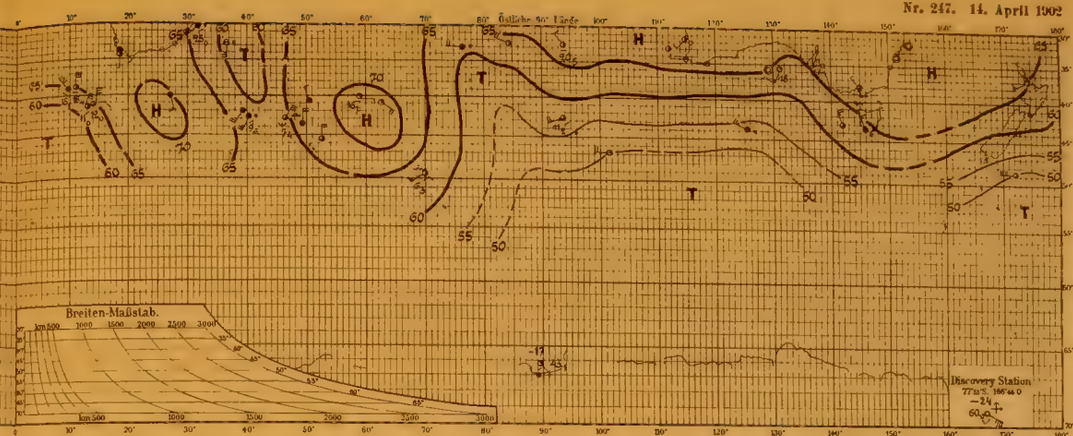
Nr. 246. 13. April 1902



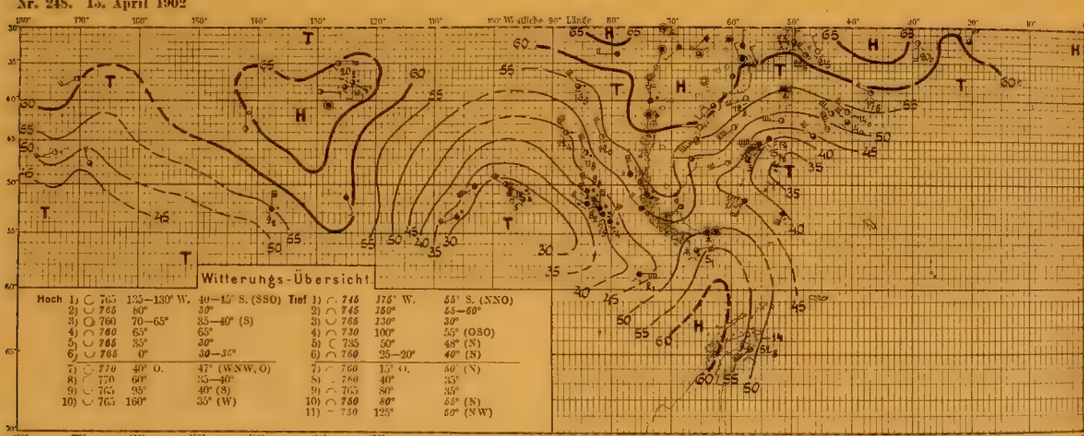
Nr. 247. 14. April 1902



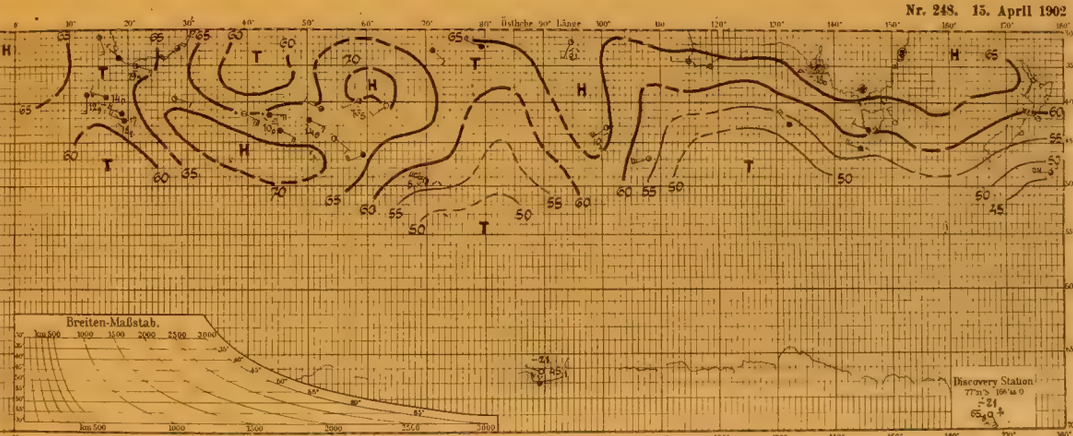
Nr. 247. 14. April 1902



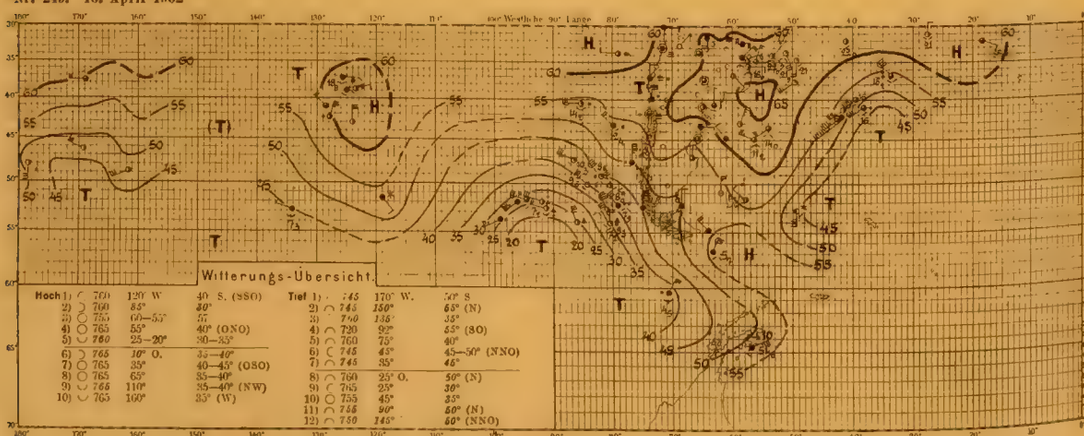
Nr. 248. 15. April 1902



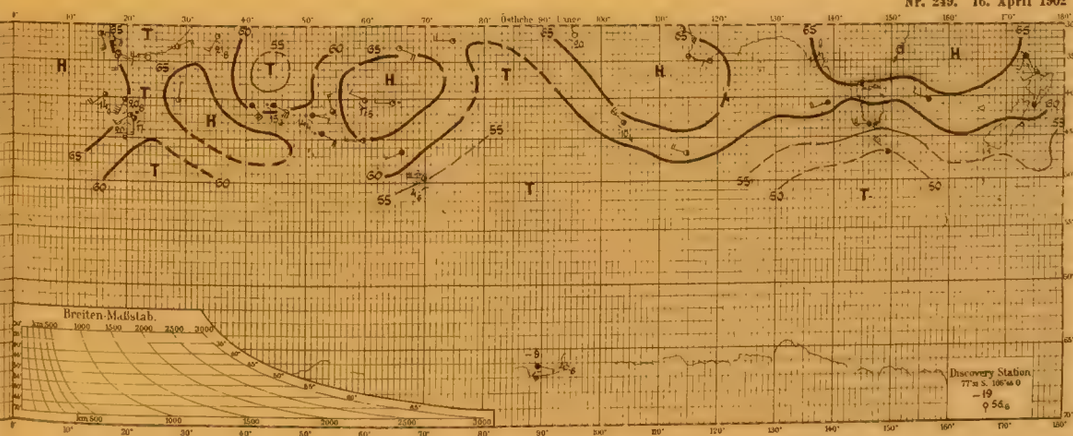
Nr. 248. 15. April 1902



Nr. 249. 16. April 1902



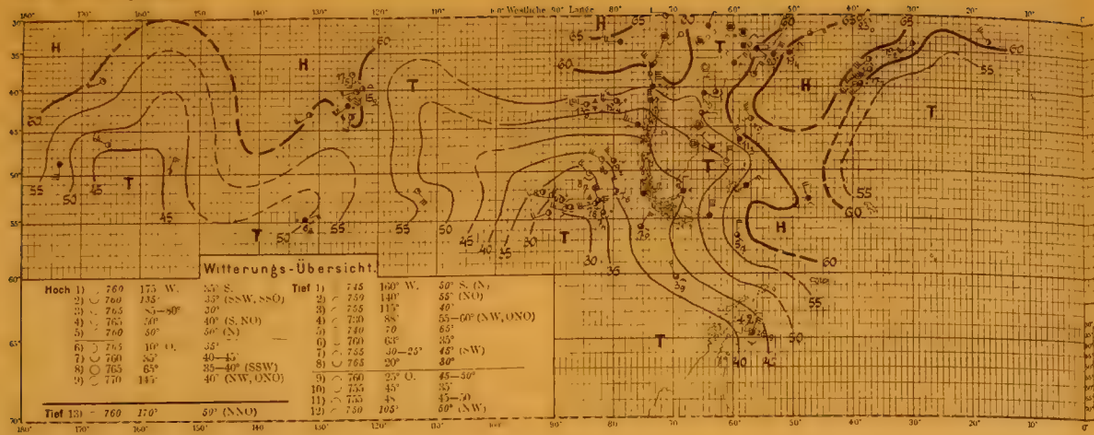
Nr. 249. 16. April 1902

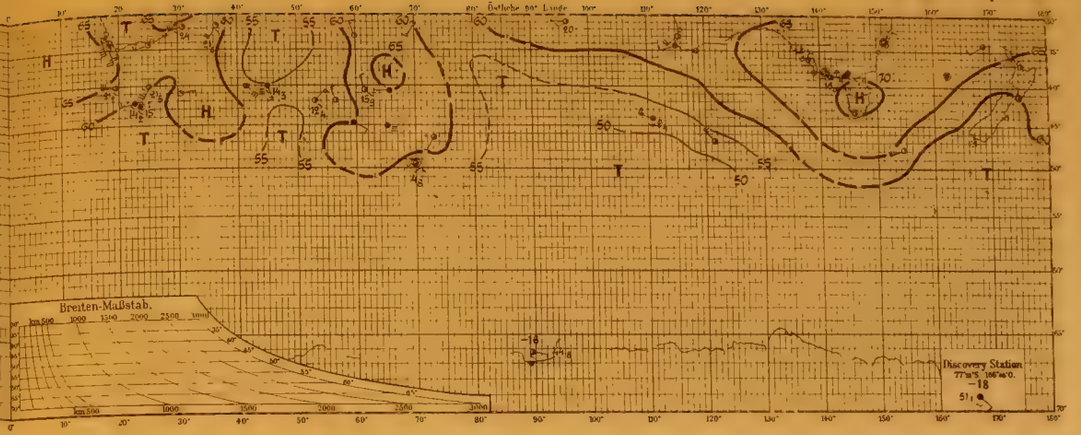


Tafel 84. Nr. 250–252.

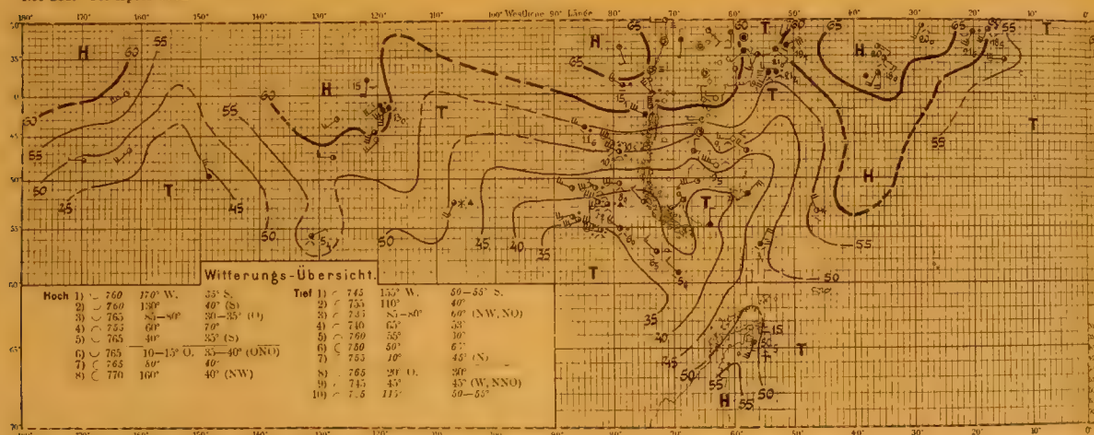
17.–19. April 1902.

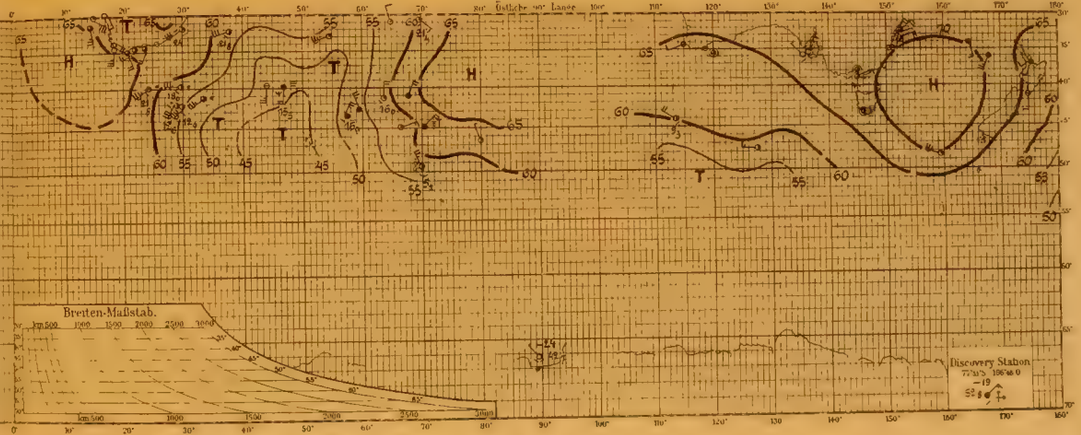
Nr. 250. 17. April 1902



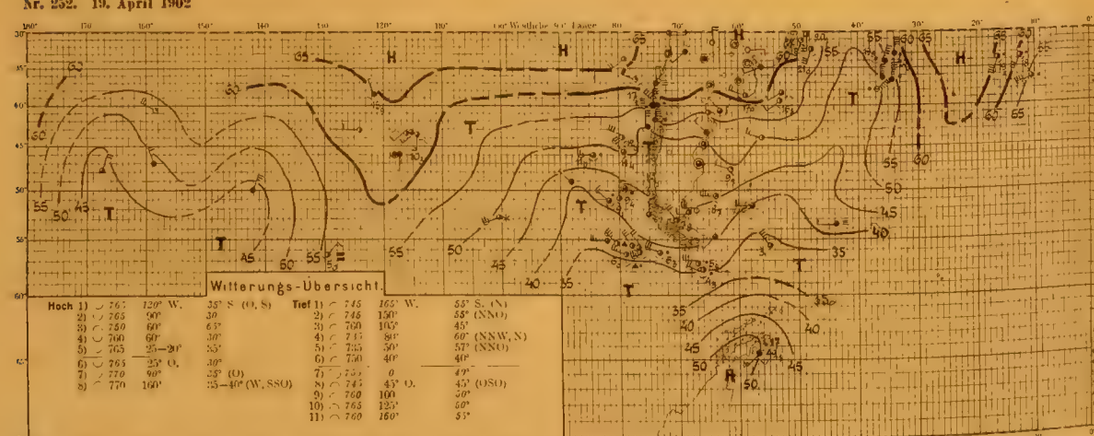


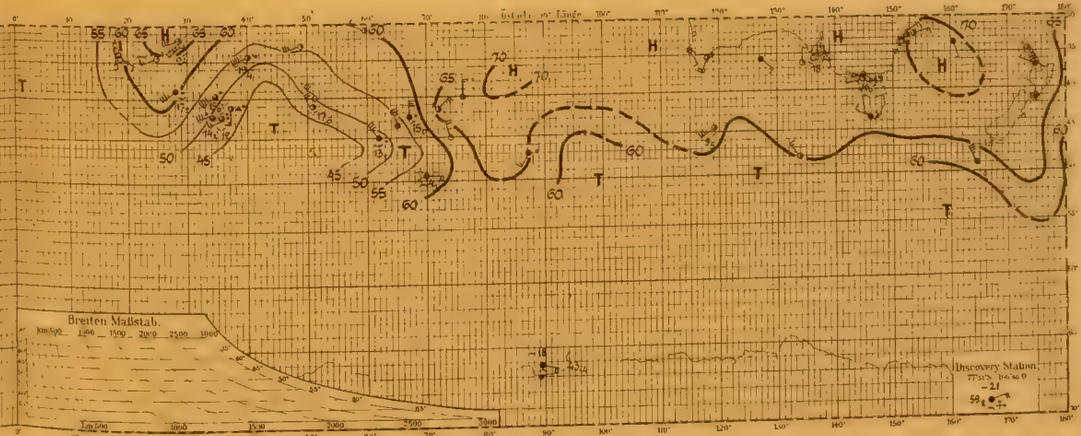
Nr. 251. 18. April 1902





Nr. 252. 19. April 1902

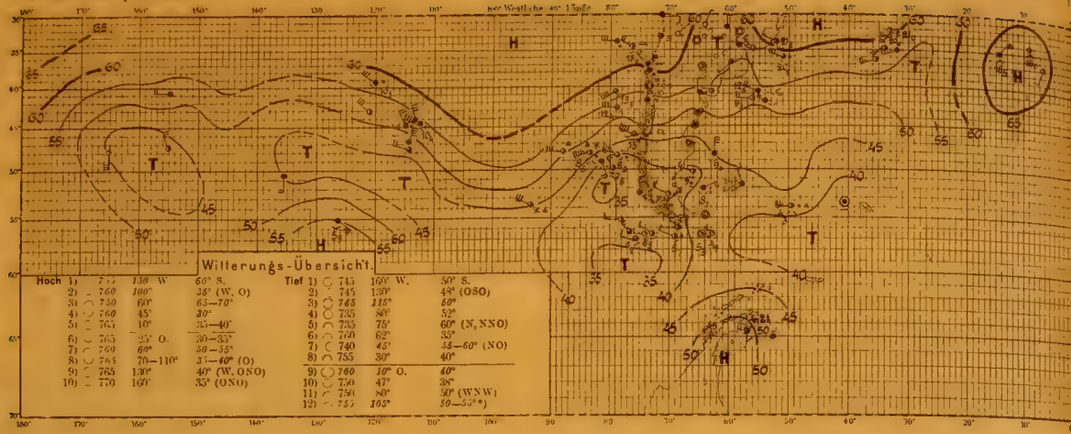




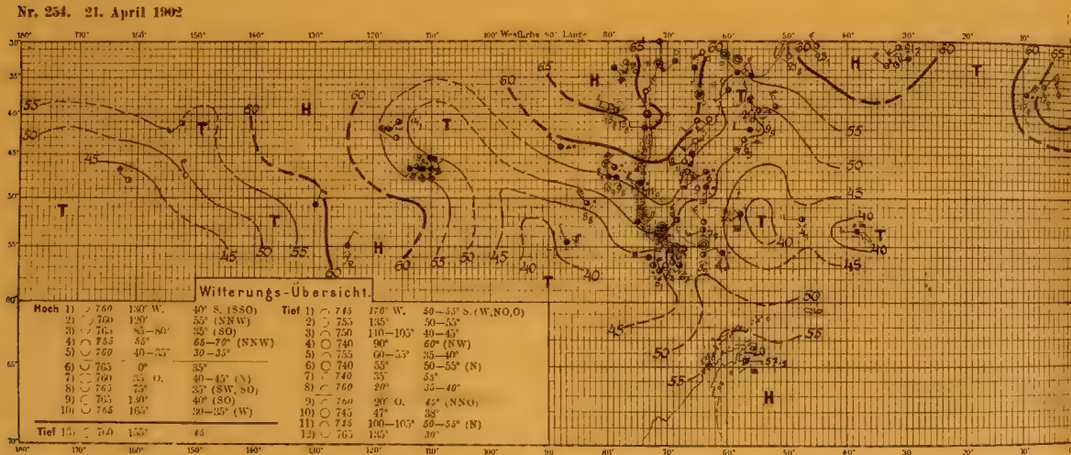
Tafel 85. Nr. 253—255.

20.—22. April 1902.

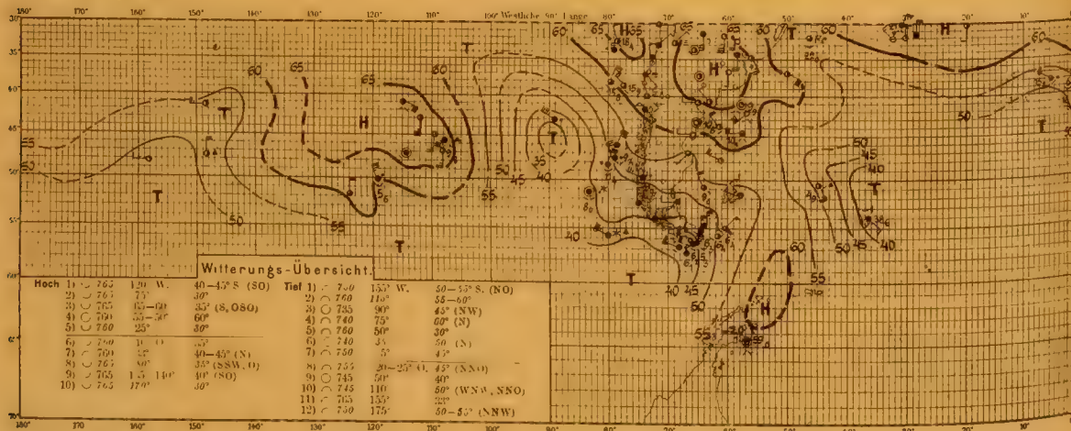
Nr. 253. 20. April 1902



Nr. 254. 21. April 1902



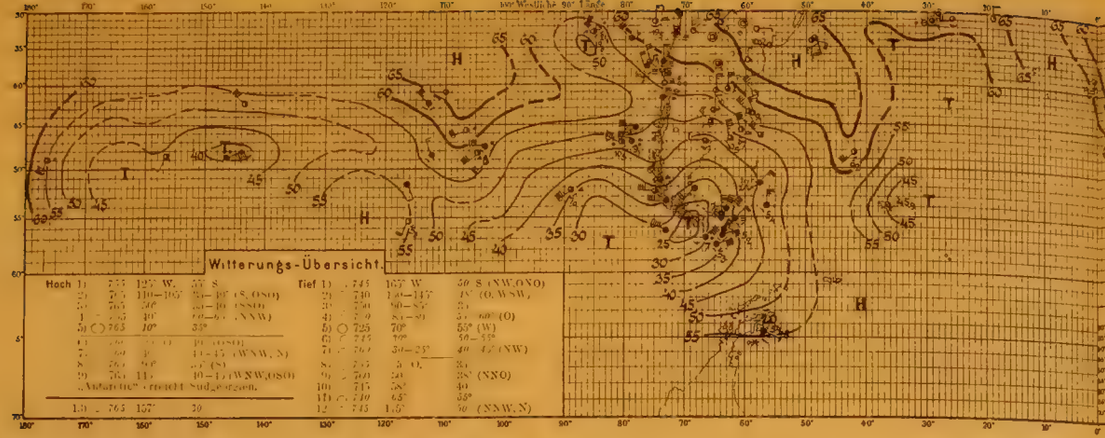
Nr. 255. 22. April 1902



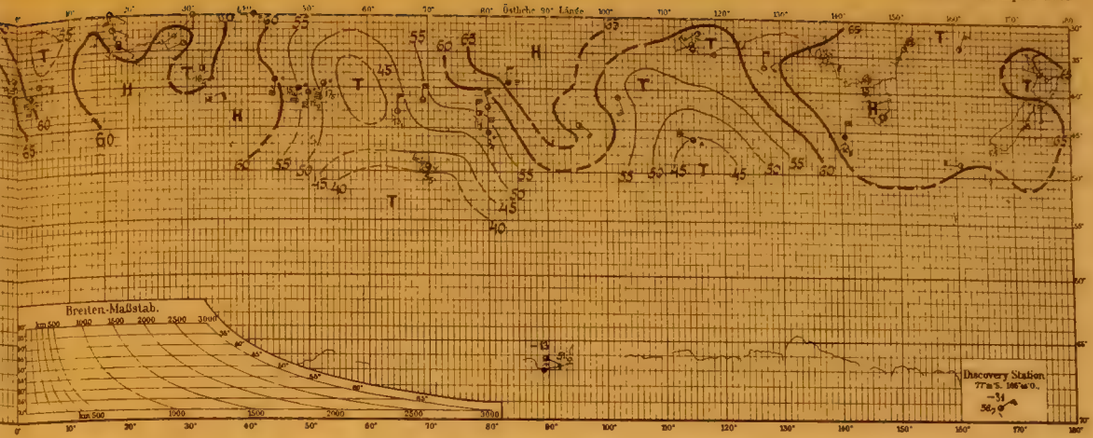
Tafel 86. Nr. 256—258.

23.—25. April 1902.

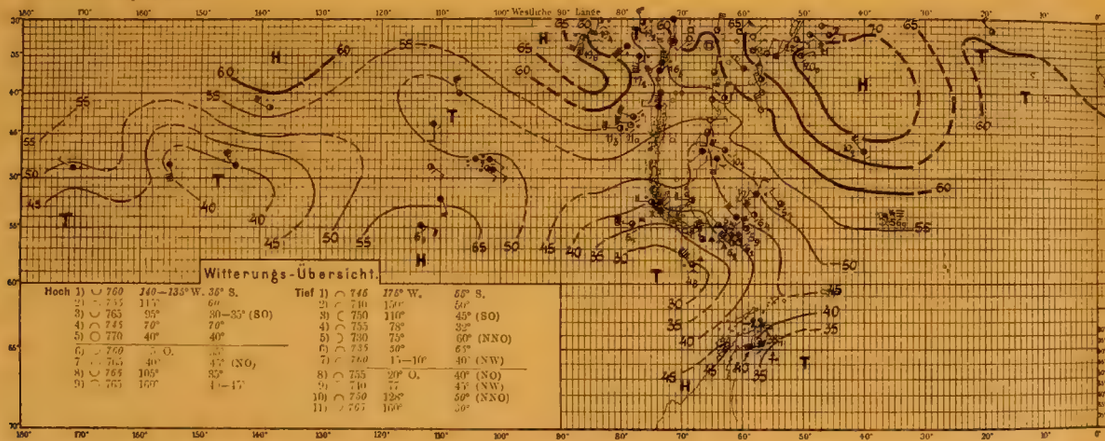
Nr. 256. 23. April 1902



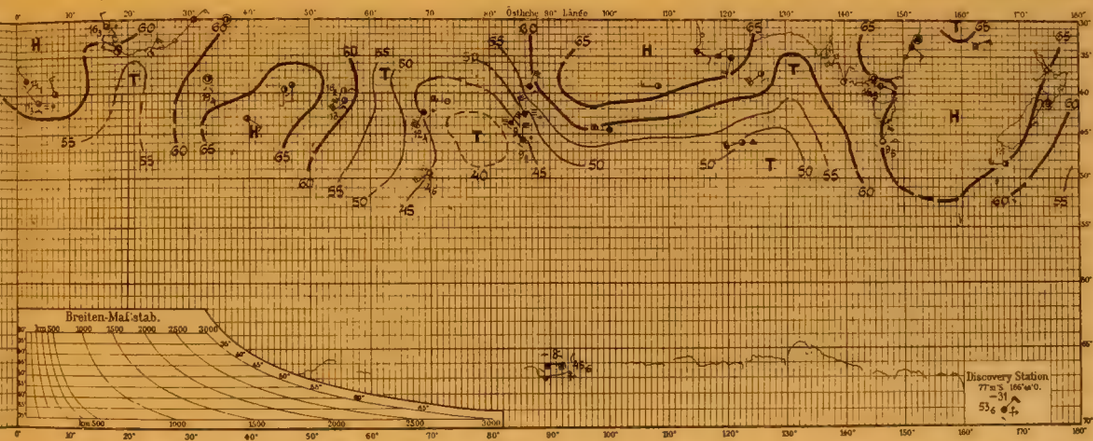
Nr. 256. 23. April 1902



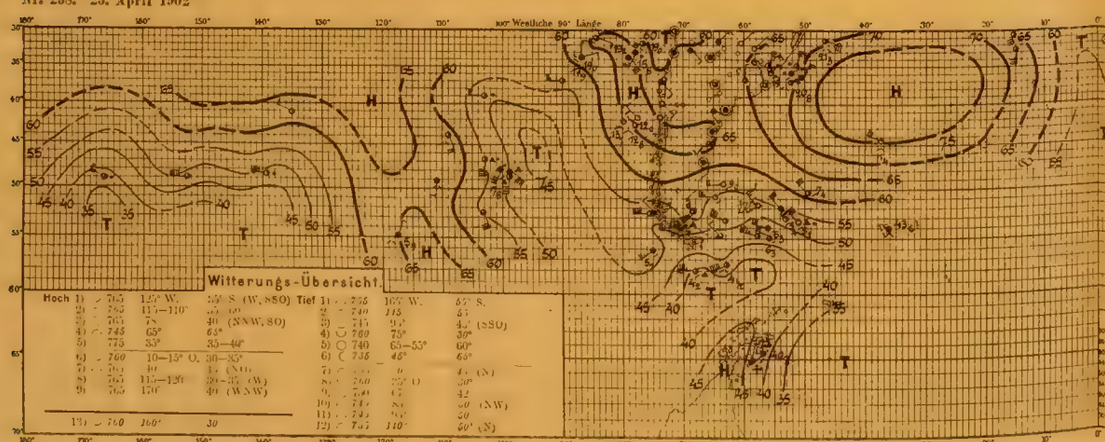
Nr. 257. 24. April 1902



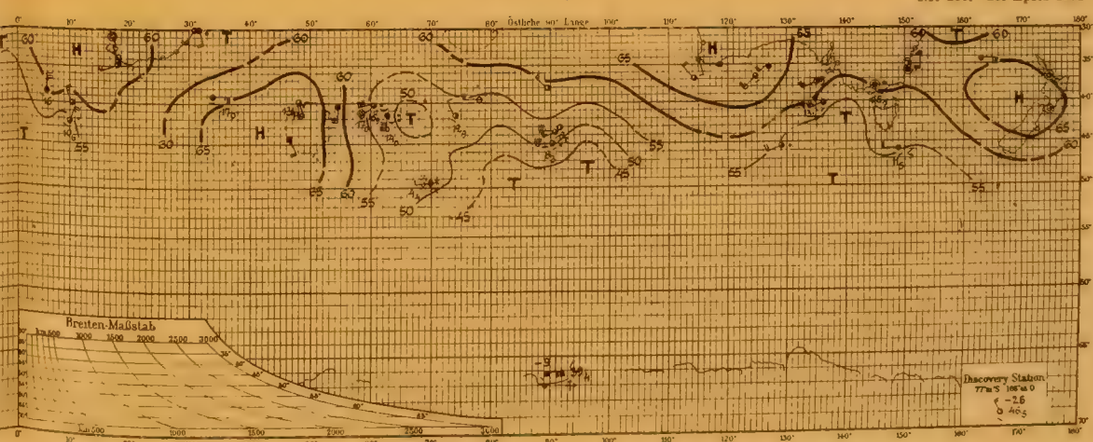
Nr. 257. 24. April 1902



Nr. 258. 25. April 1902



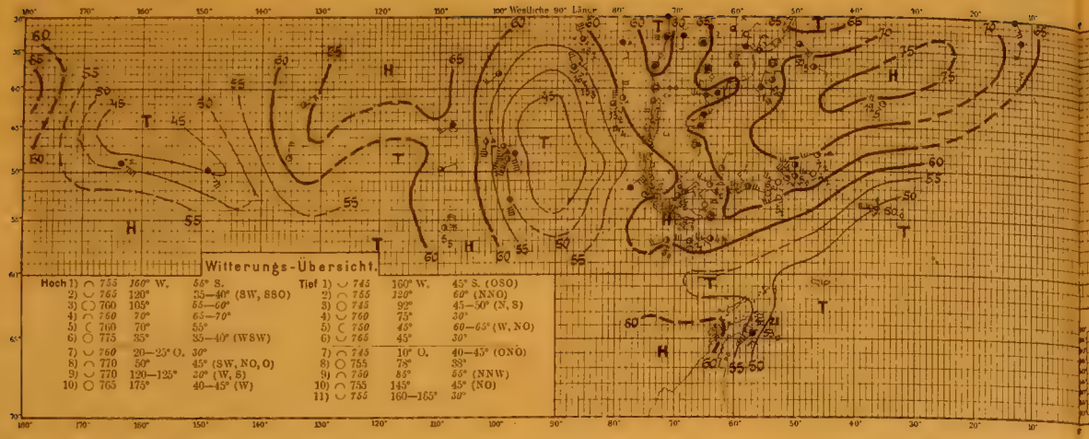
Nr. 258. 25. April 1902



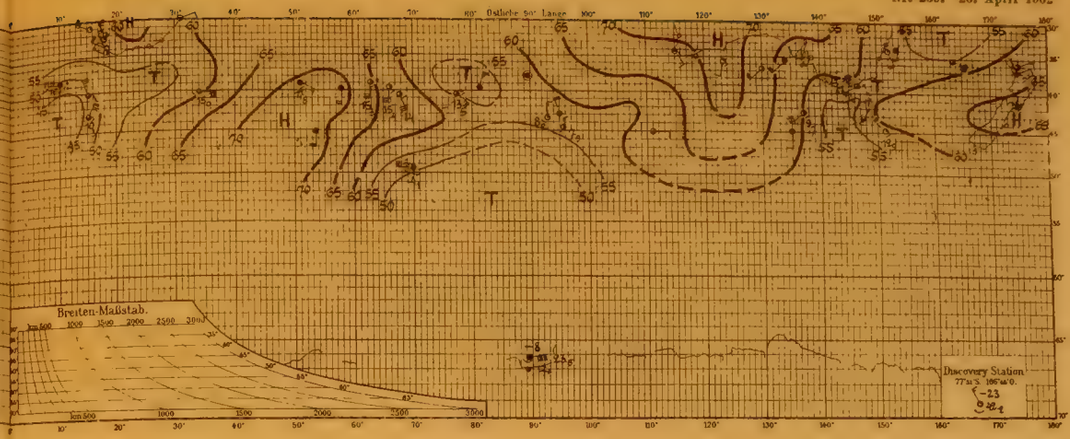
Tafel 87. Nr. 259–261.

26.—28. April 1902.

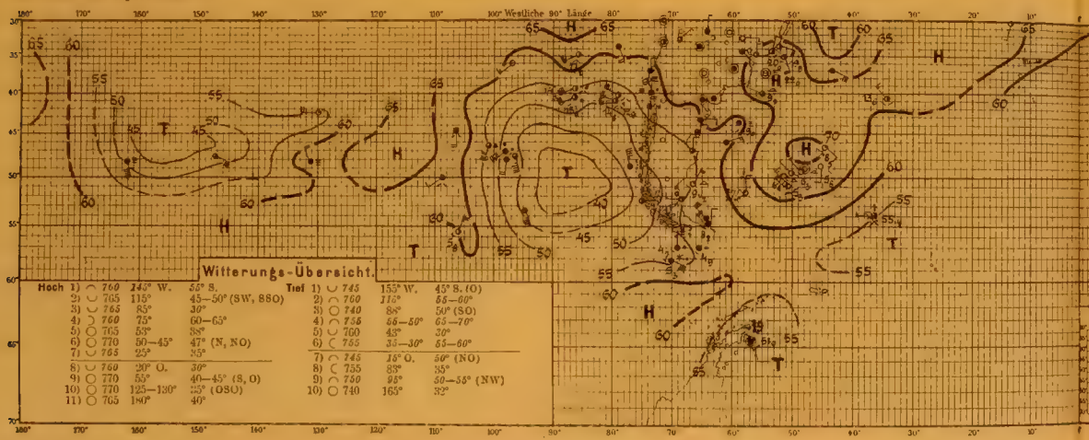
Nr. 259. 26. April 1902



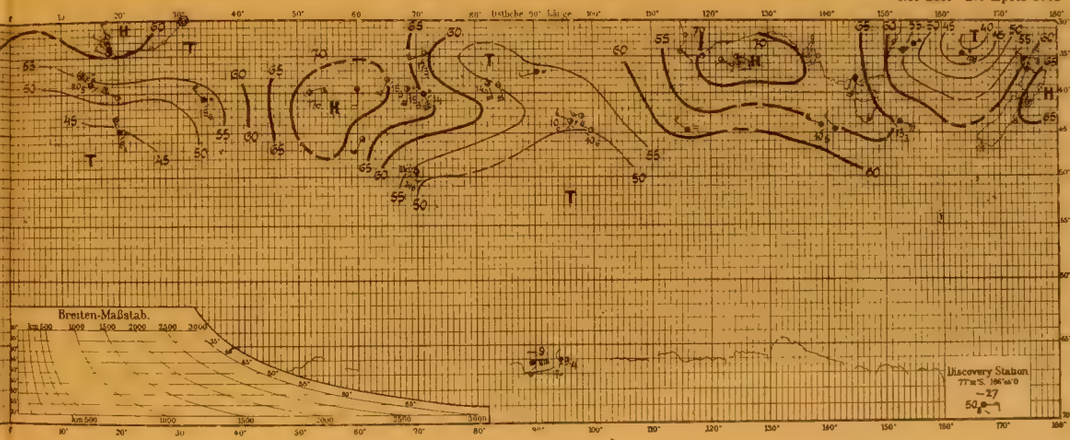
Nr. 259. 26. April 1902



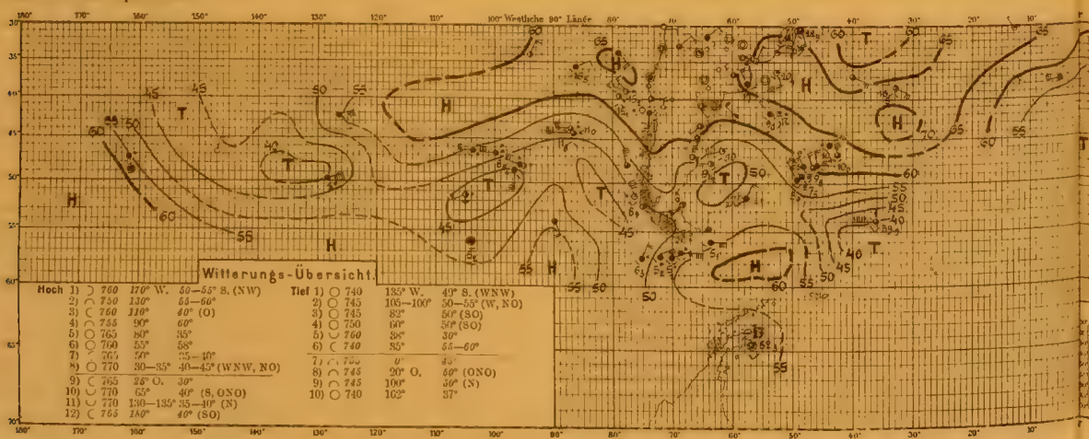
Nr. 260. 27. April 1902



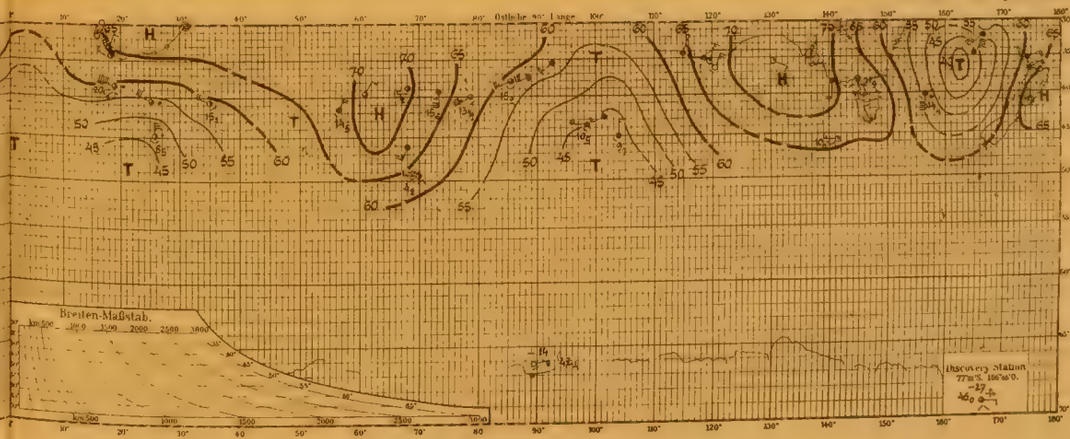
Nr. 260. 27. April 1902



Nr. 261. 28. April 1902

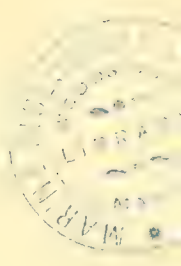


Nr. 261. 28. April 1902

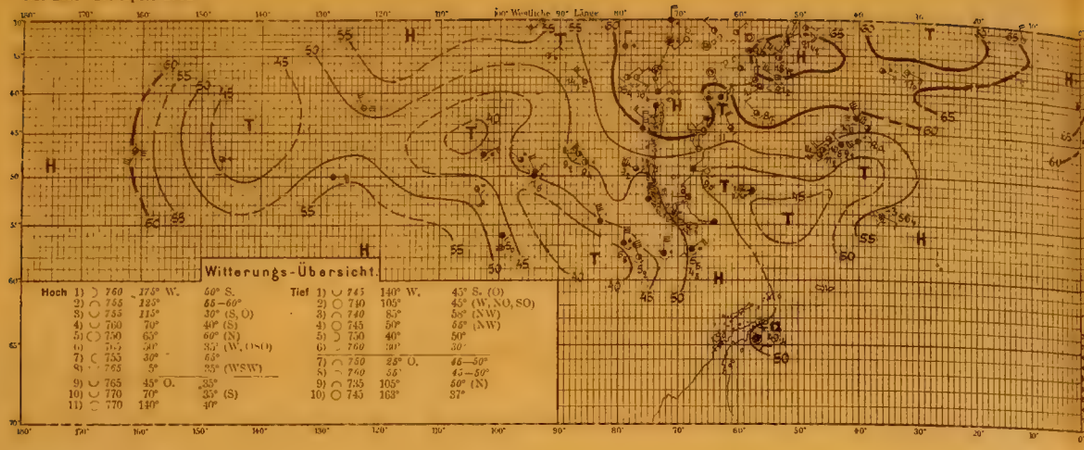


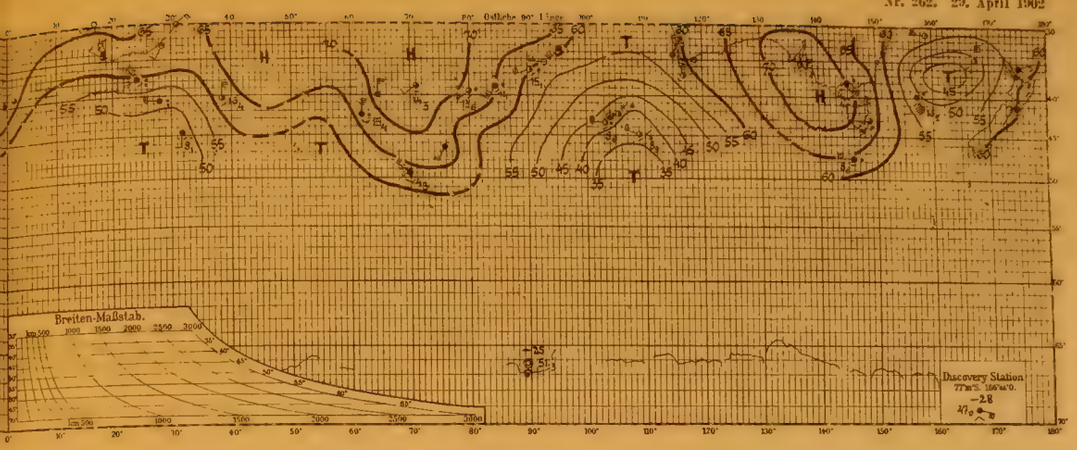
Tafel 88. Nr. 262—264.

29. April—1. Mai 1902.

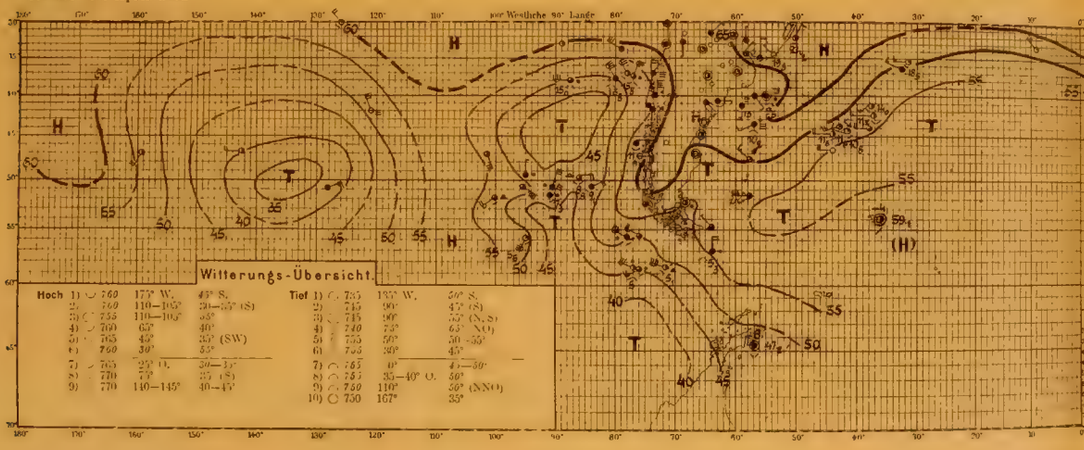


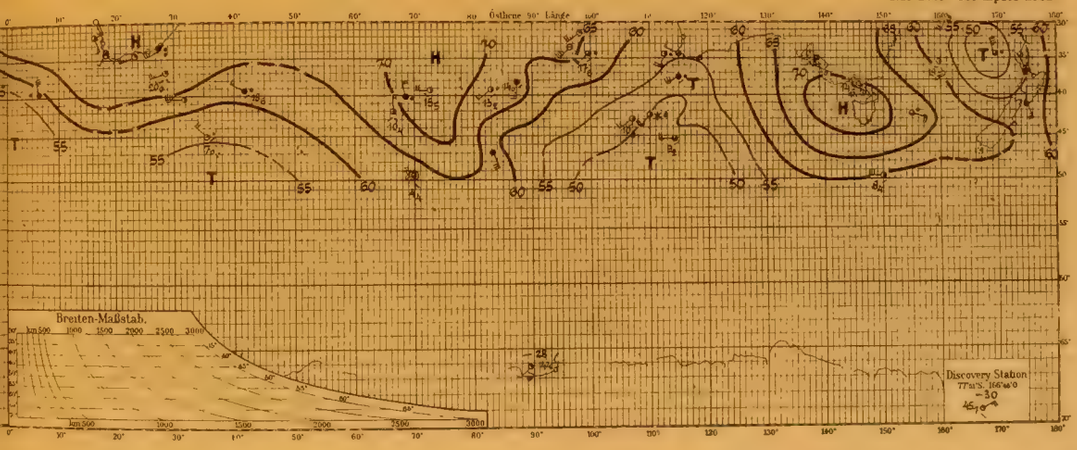
Nr. 262. 29. April 1902



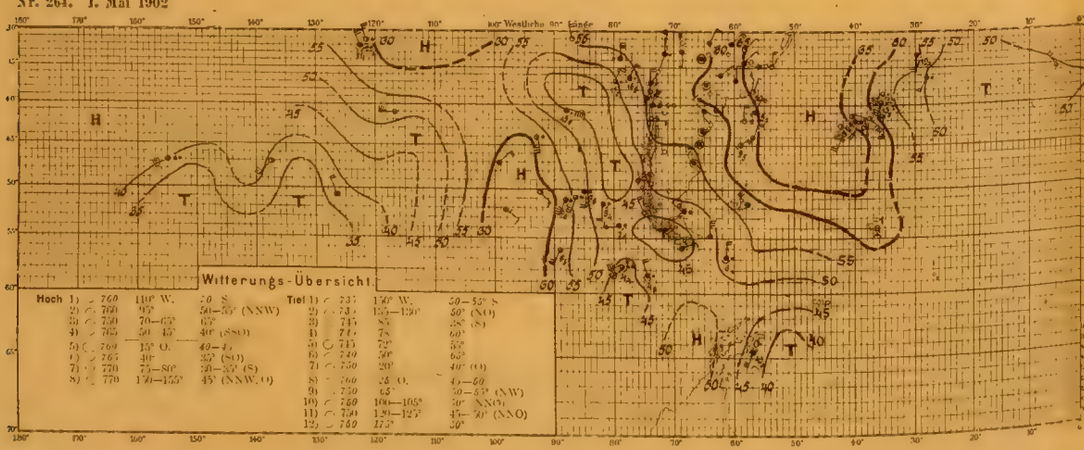


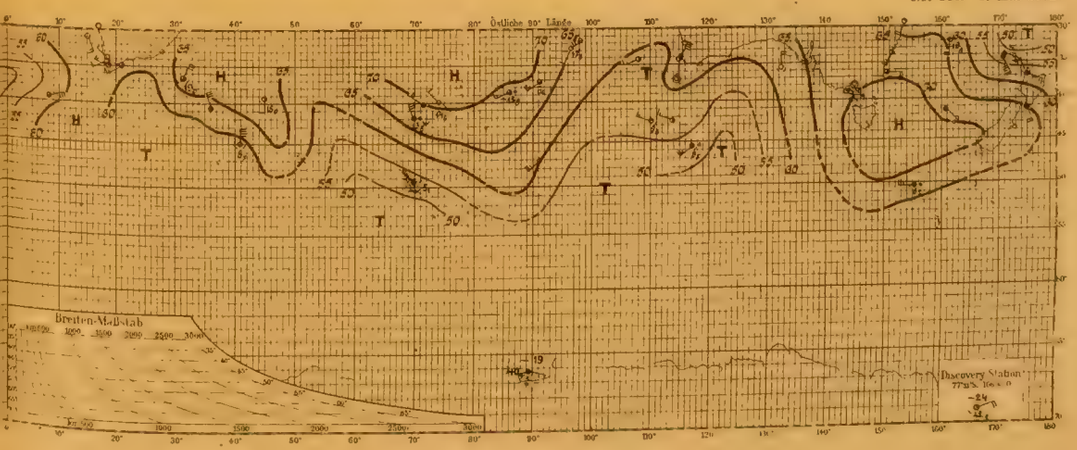
Nr. 263. 30. April 1902





Nr. 264. 1. Mai 1902

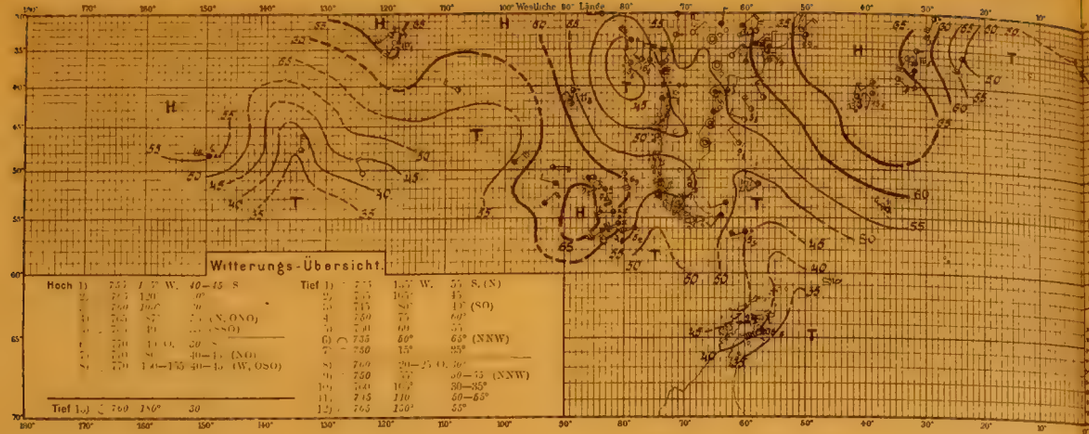




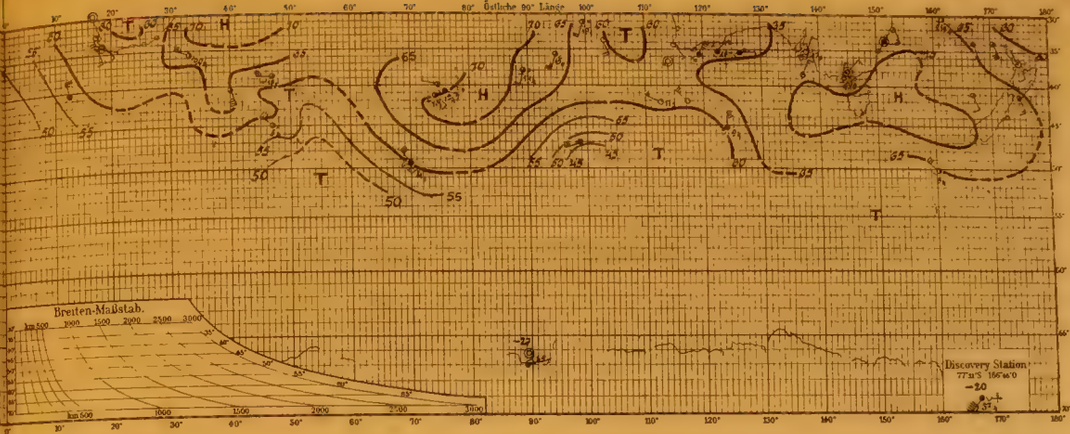
Tafel 89. Nr. 265—267.

2.–4. Mai 1902.

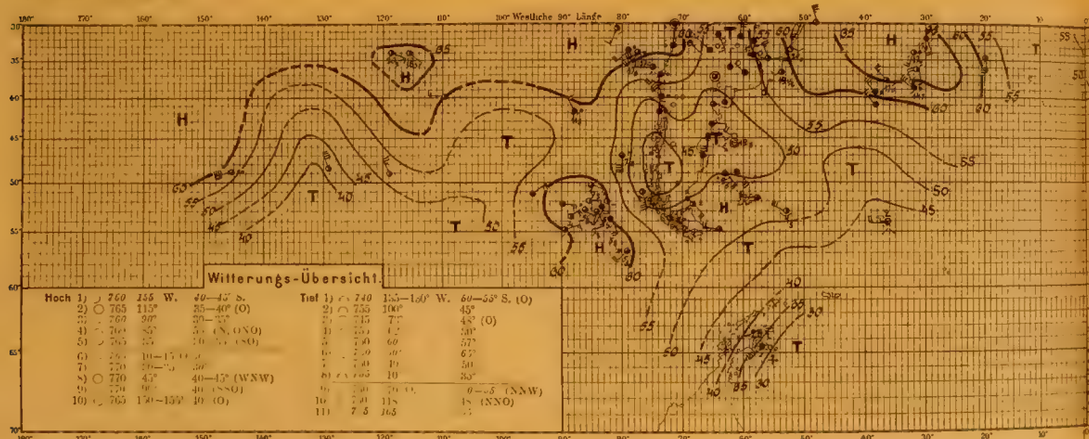
Nr. 265. 2. Mai 1902



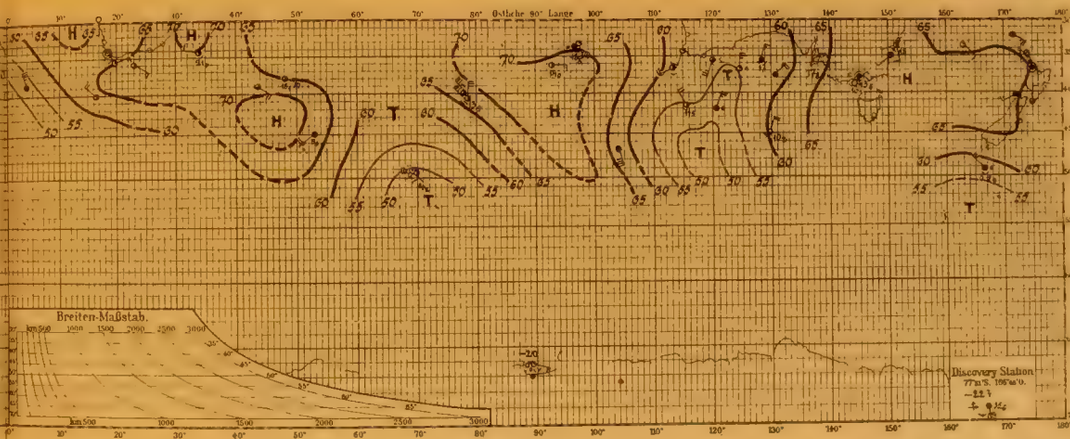
Nr. 265. 2. Mai 1902



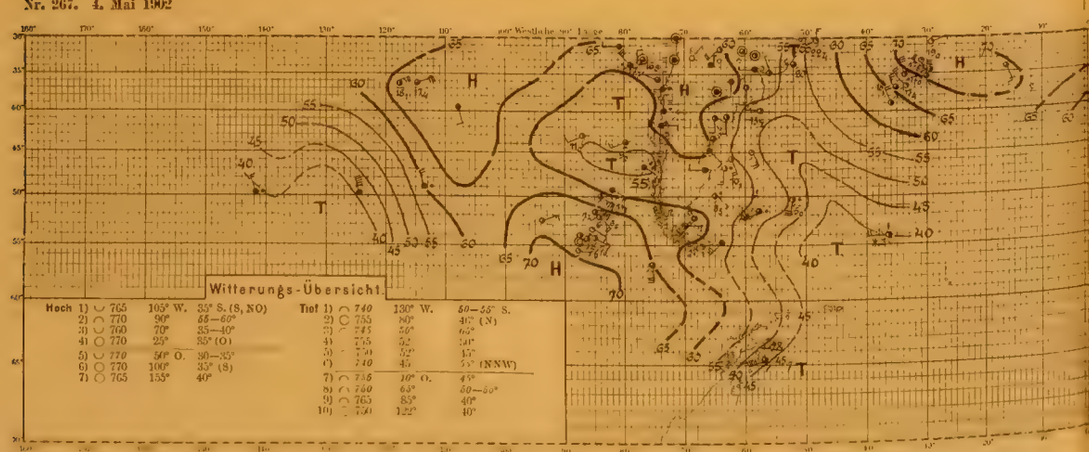
Nr. 266. 3. Mai 1902



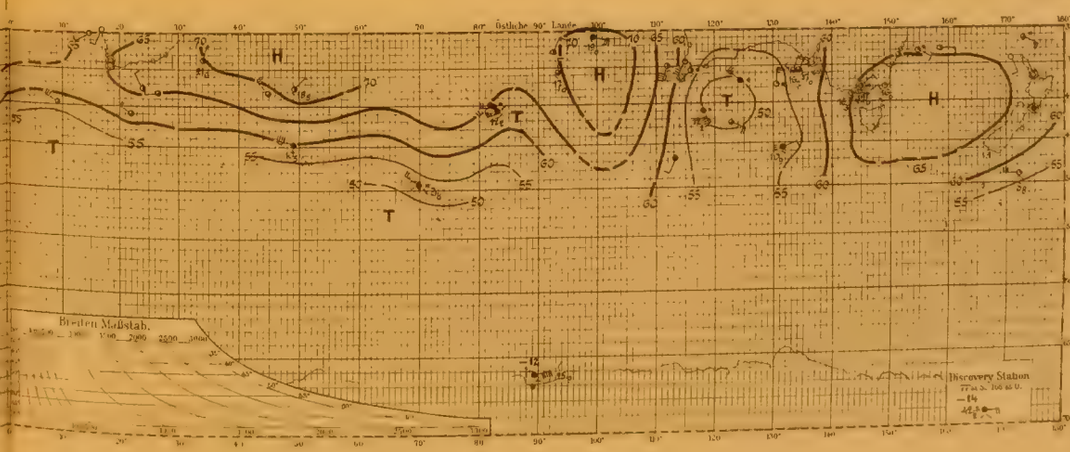
Nr. 266. 3. Mai 1902



Nr. 267. 4. Mai 1902



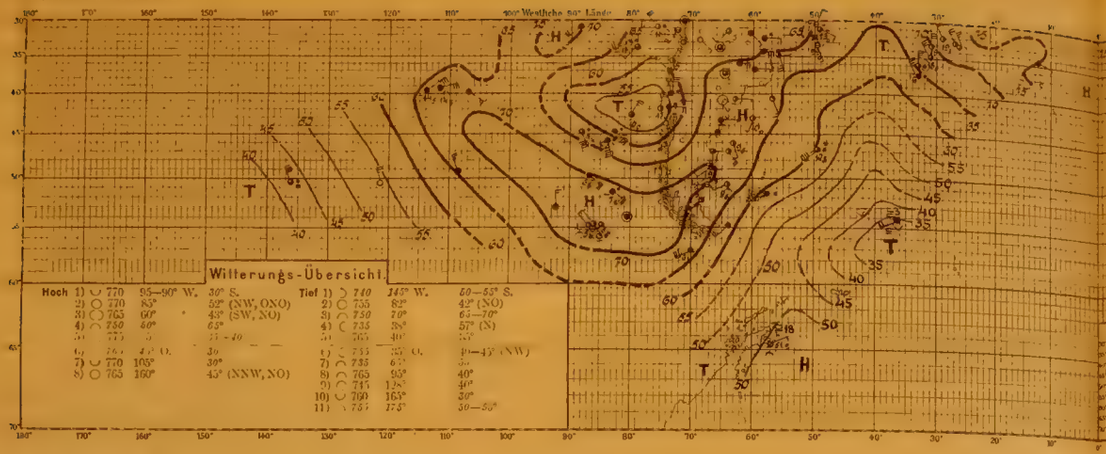
Nr. 267. 4. Mai 1902



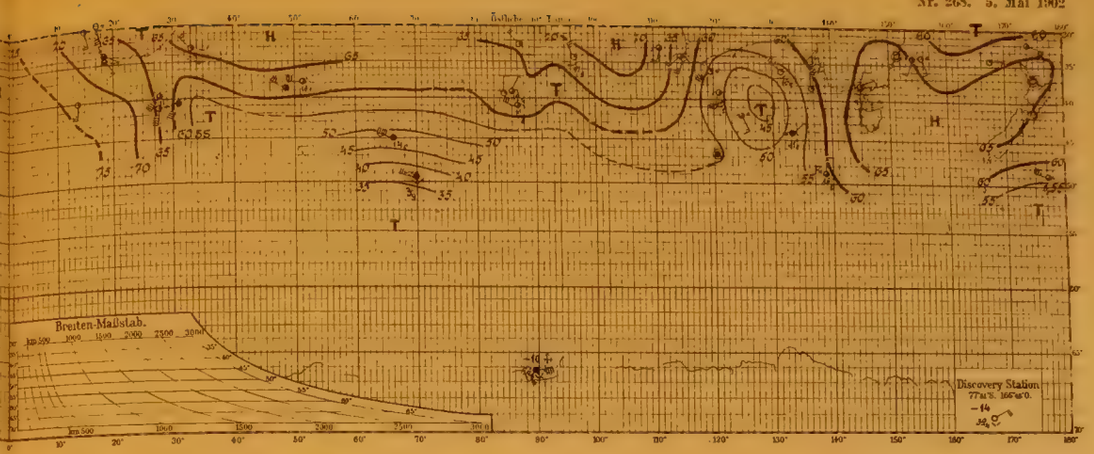
Tafel 90. Nr. 268—270.

5.—7. Mai 1902.

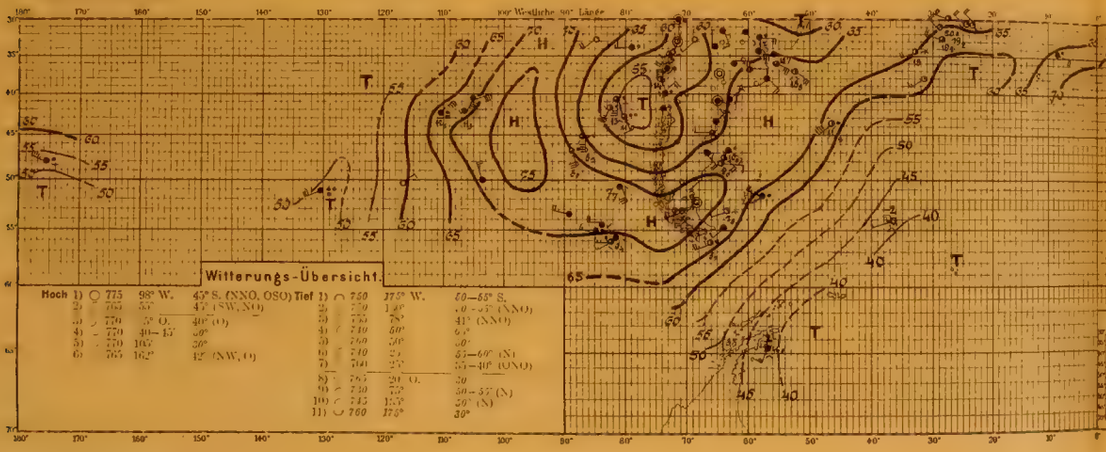
Nr. 268. 5. Mai 1902



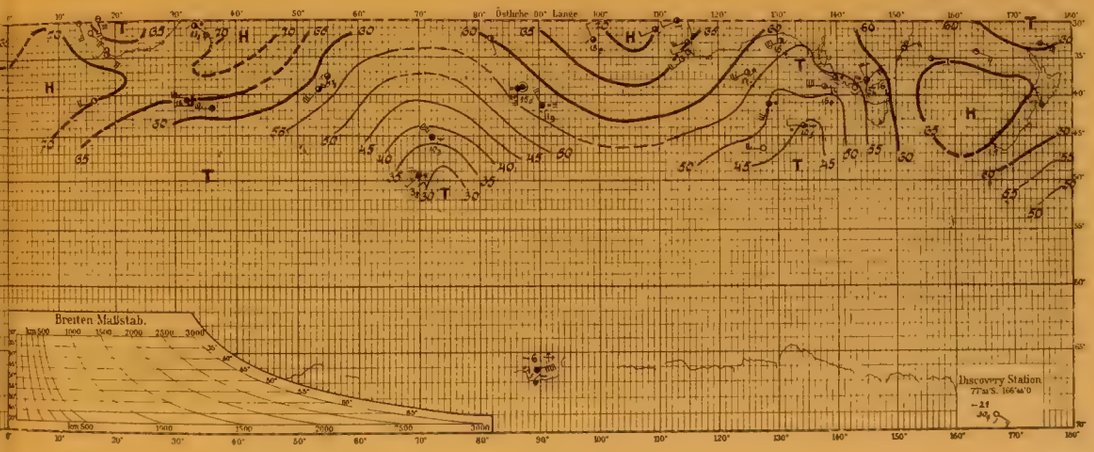
Nr. 268. 5. Mai 1902



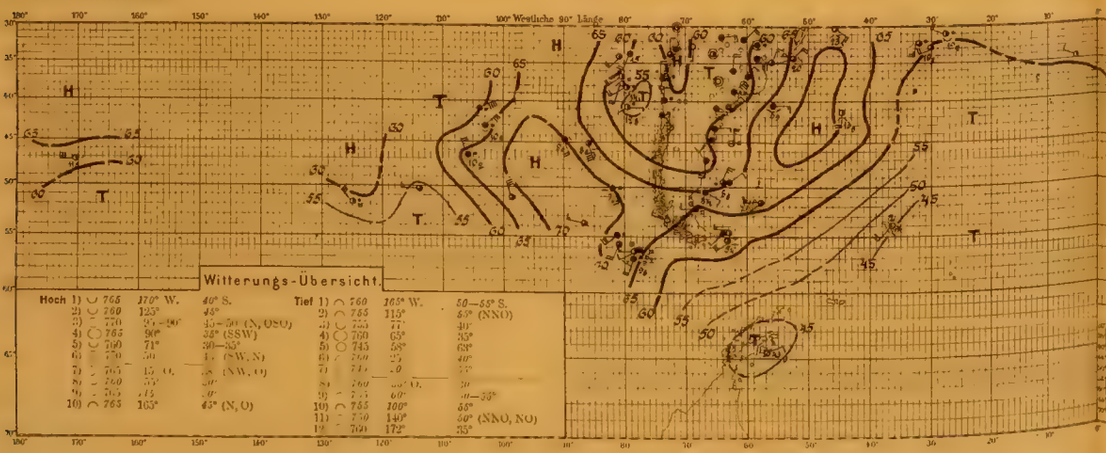
Nr. 269. 6. Mai 1902



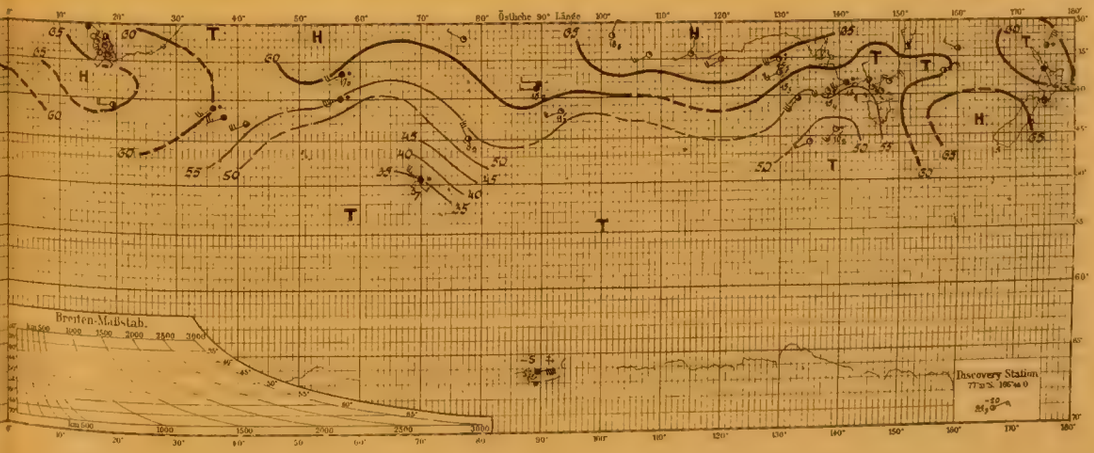
Nr. 269. 6. Mai 1902



Nr. 270. 7. Mai 1902



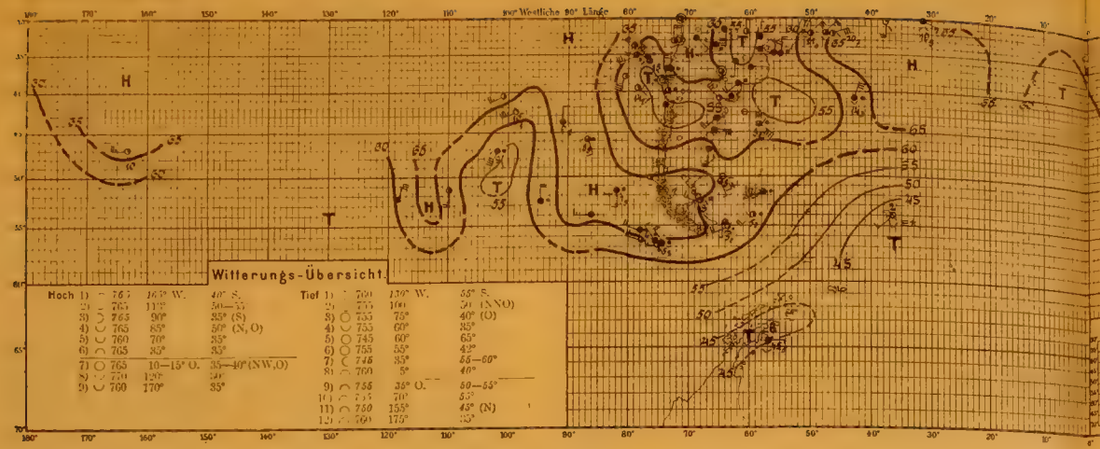
Nr. 270. 7. Mai 1902

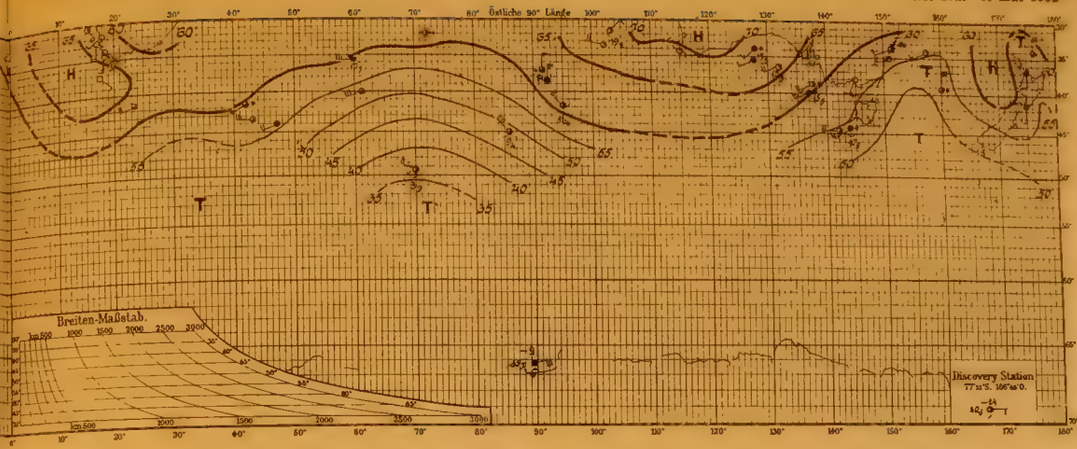


Tafel 91. Nr. 271—273.

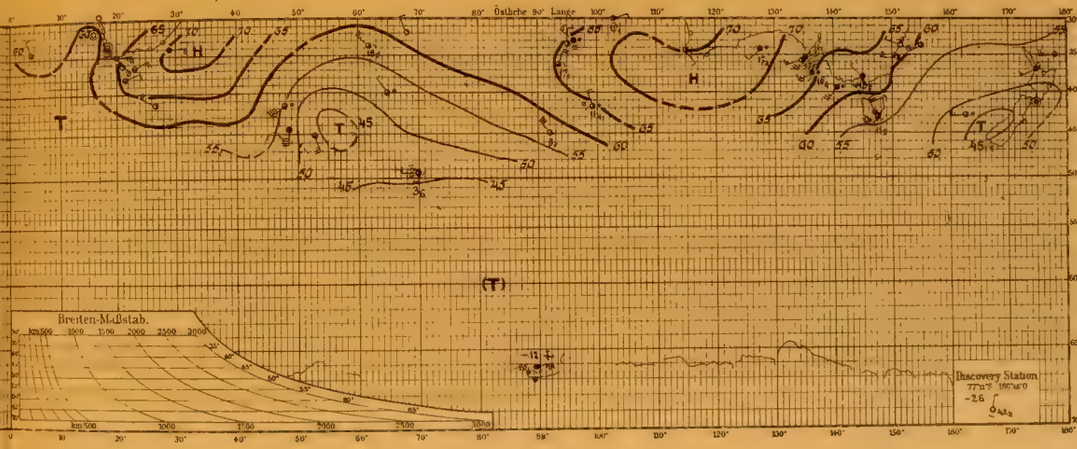
8.—10. Mai 1902.

Nr. 271. 8. Mai 1902

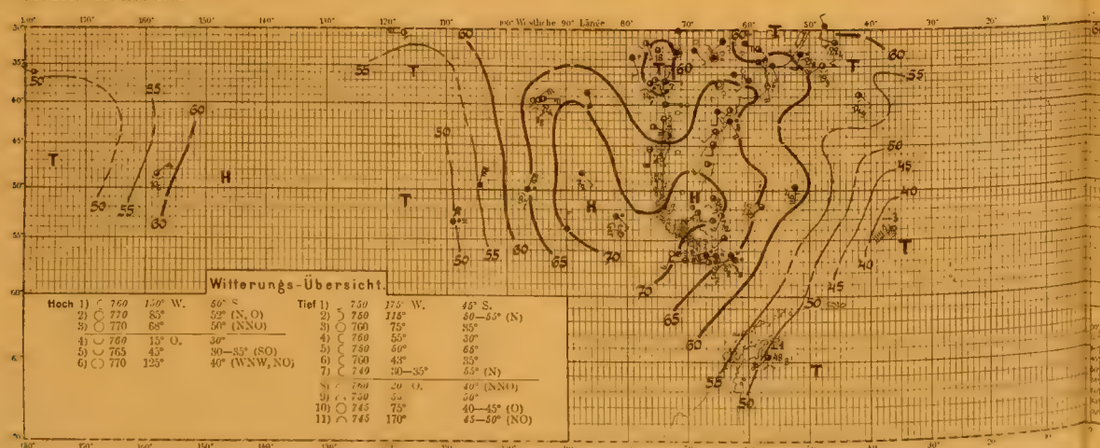


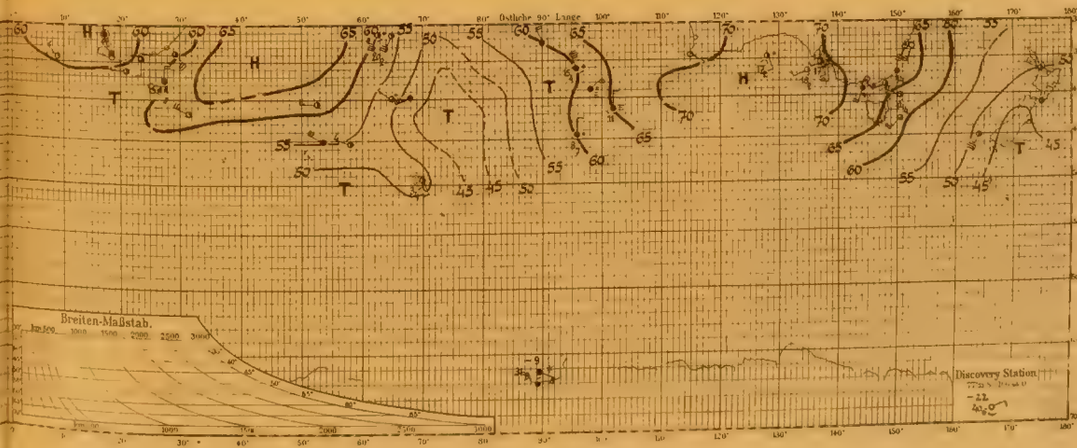


Nr. 272. 9. Mai 1902

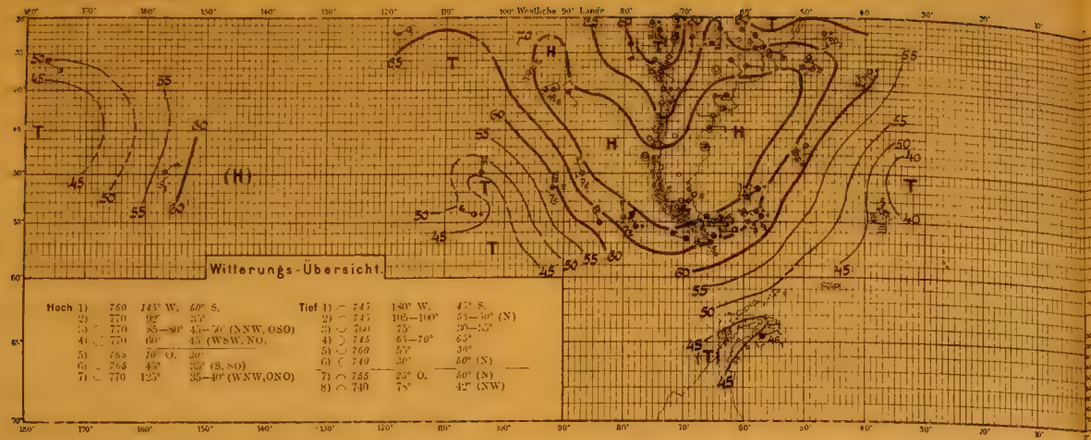


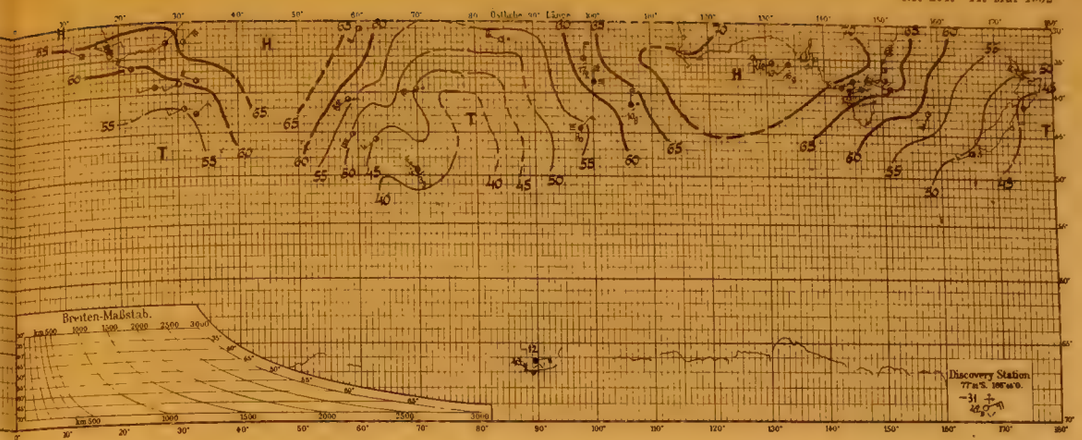
Nr. 273. 10. Mai 1902



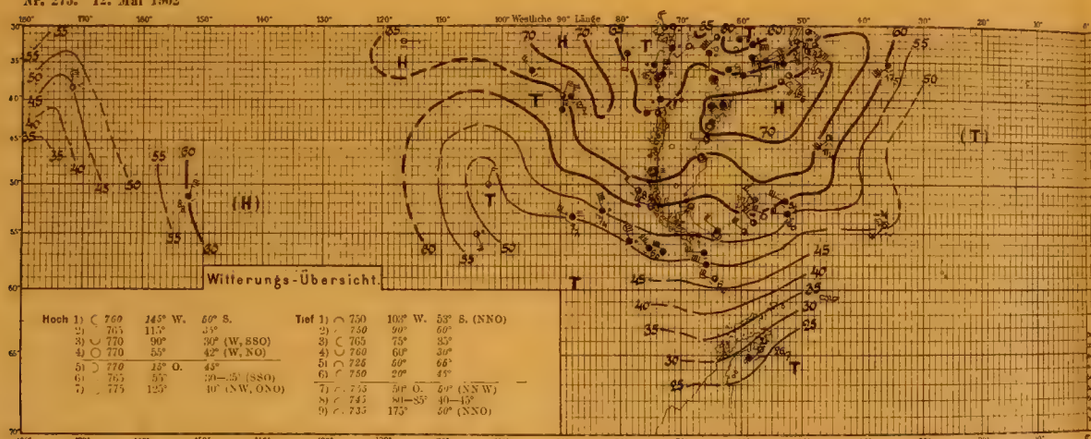


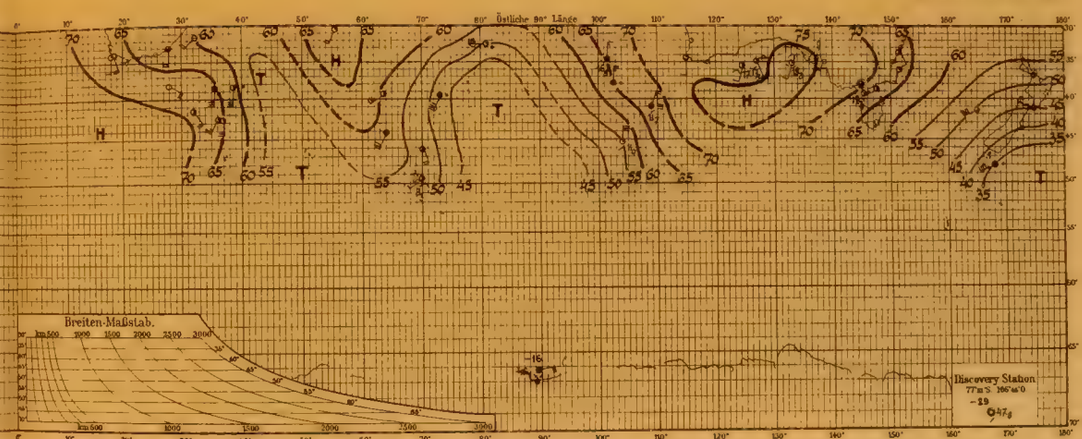
Nr. 274. 11. Mai 1902



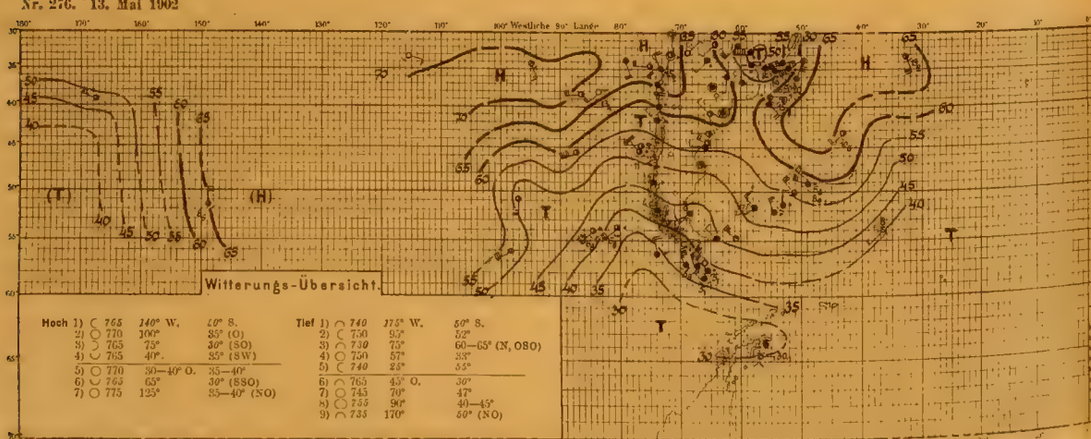


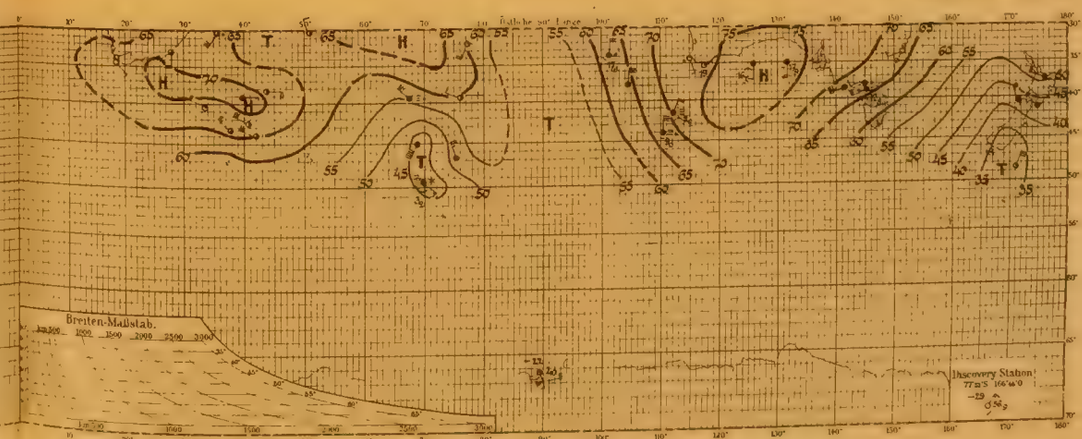
Nr. 275. 12. Mai 1902



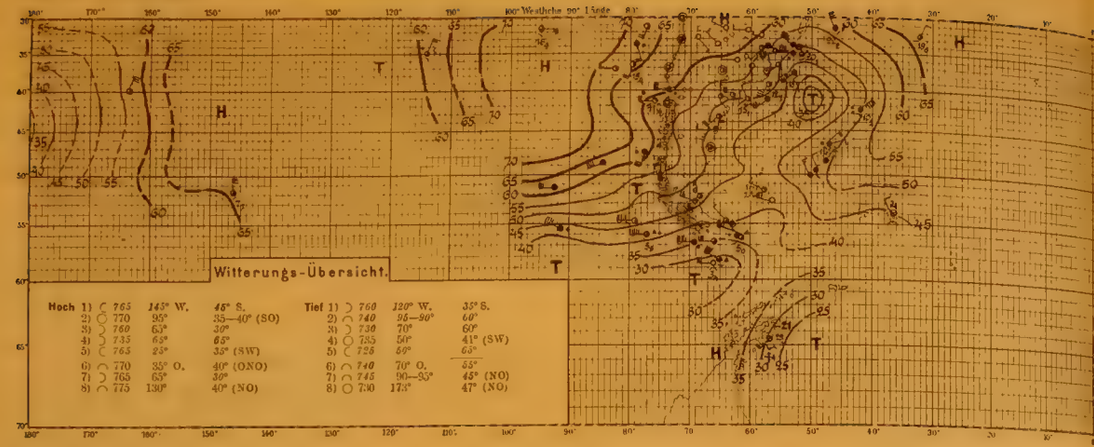


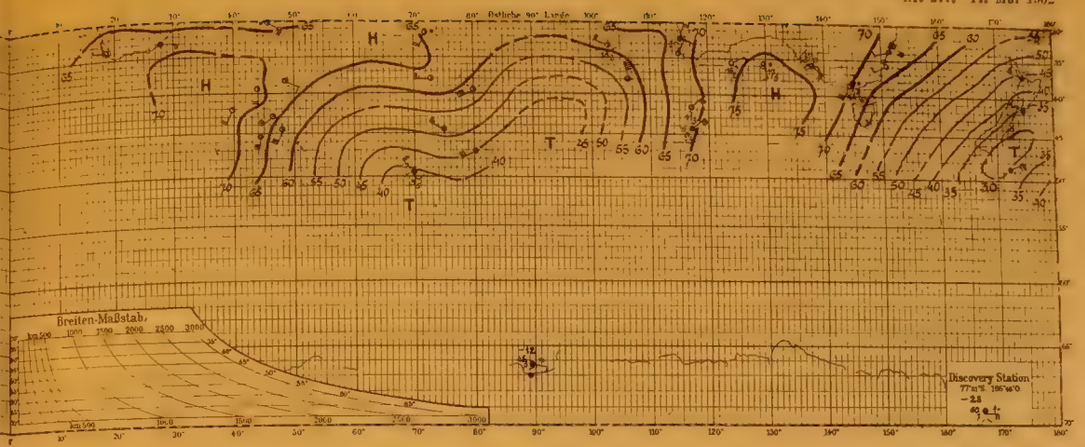
Nr. 276. 13. Mai 1902



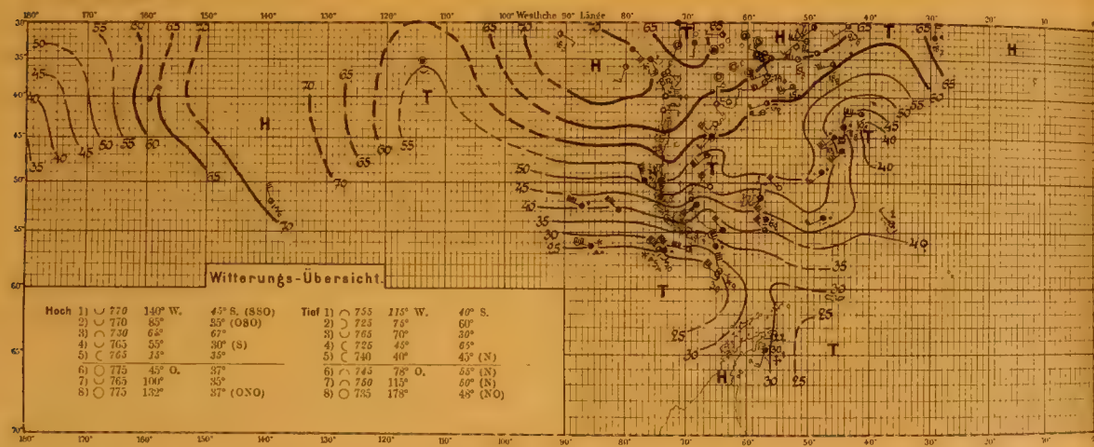


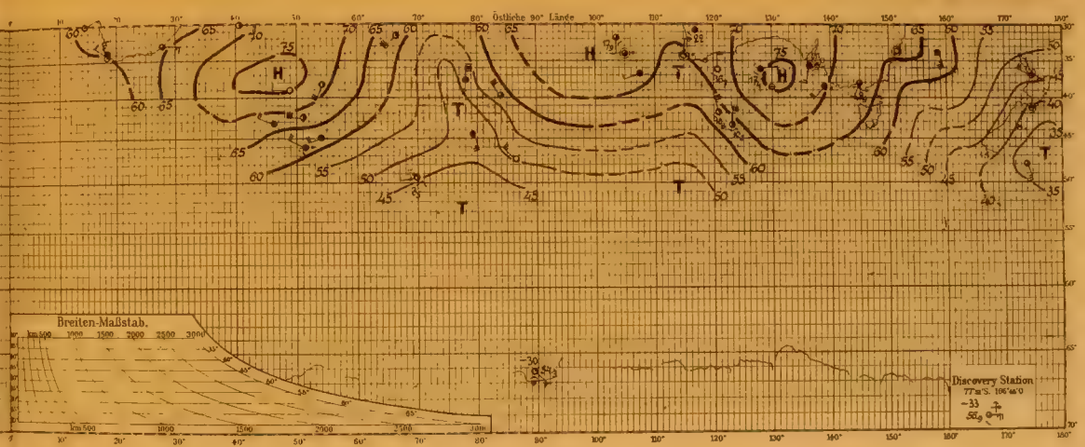
Nr. 277. 14. Mai 1902



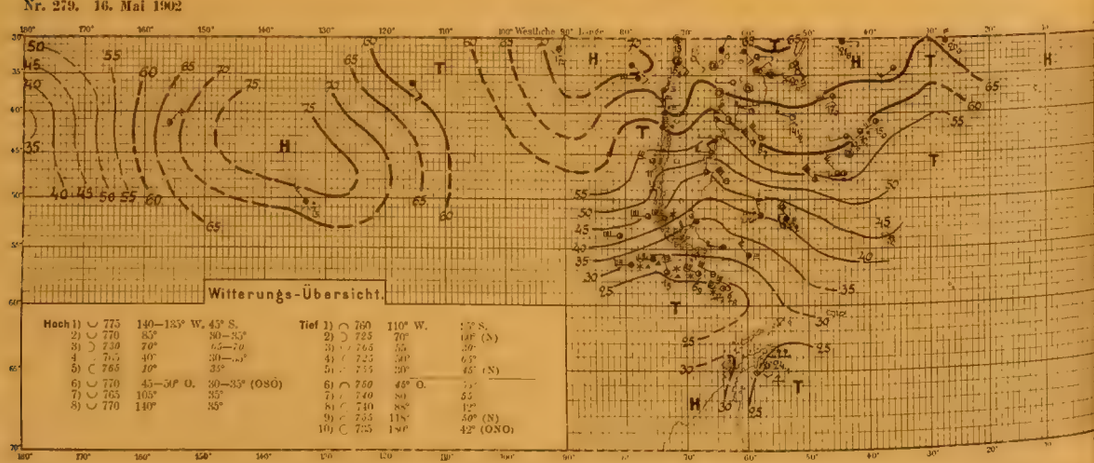


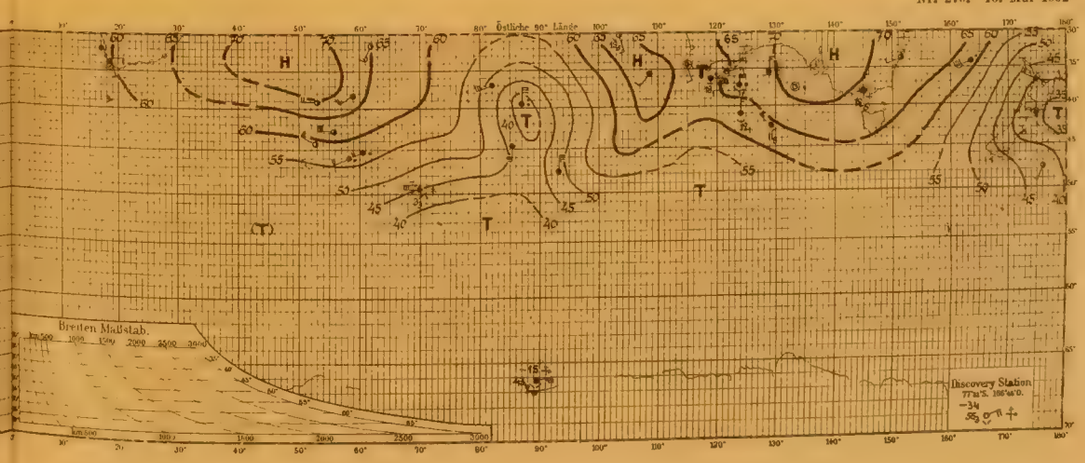
Nr. 278. 15. Mai 1902





Nr. 279. 16. Mai 1902

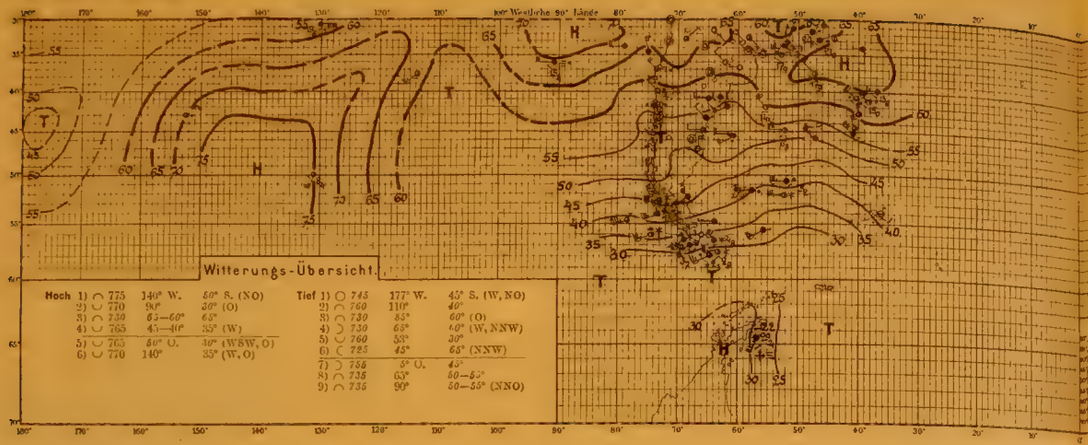




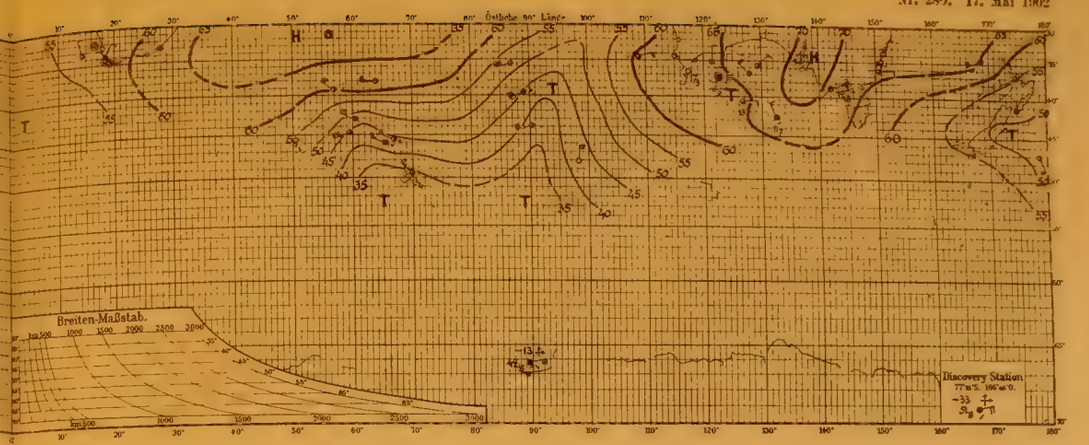
Tafel 94. Nr. 280–282.

17.–19. Mai 1902.

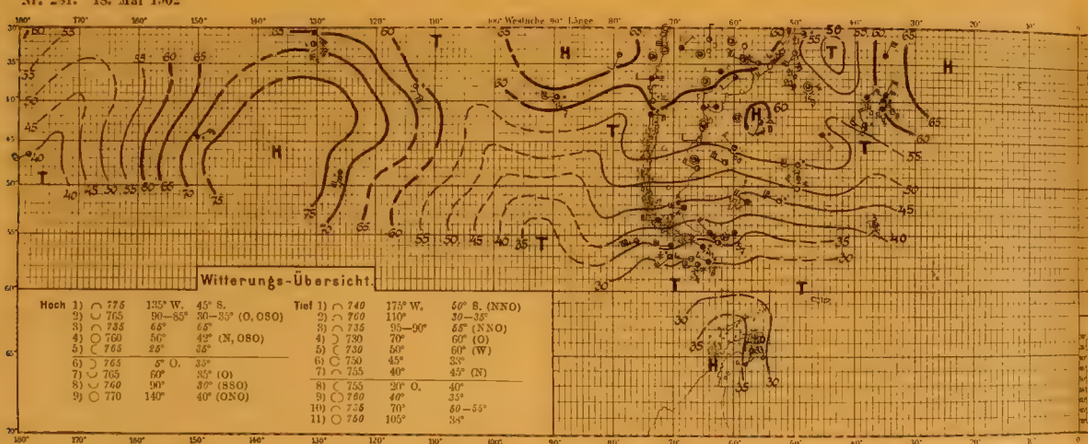
Nr. 280. 17. Mai 1902



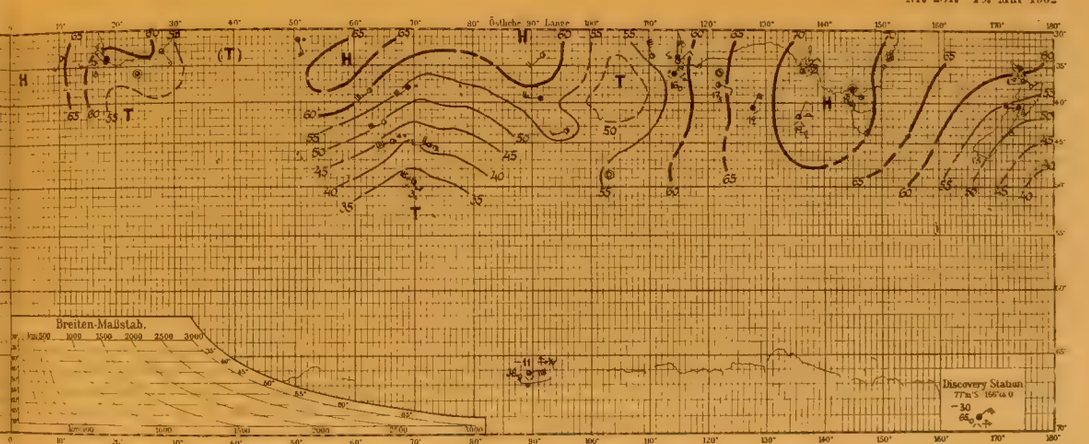
Nr. 280. 17. Mai 1902



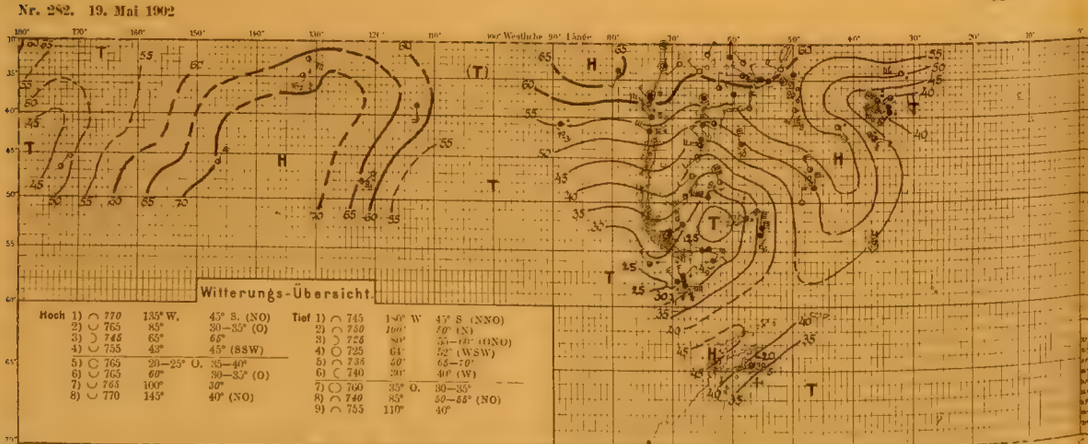
Nr. 281. 18. Mai 1902



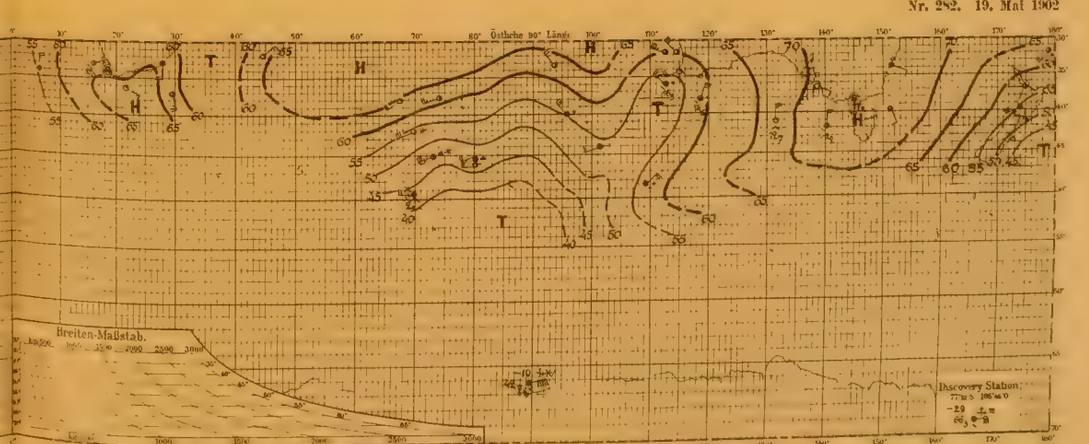
Nr. 281. 18. Mai 1902



Nr. 282. 19. Mai 1902



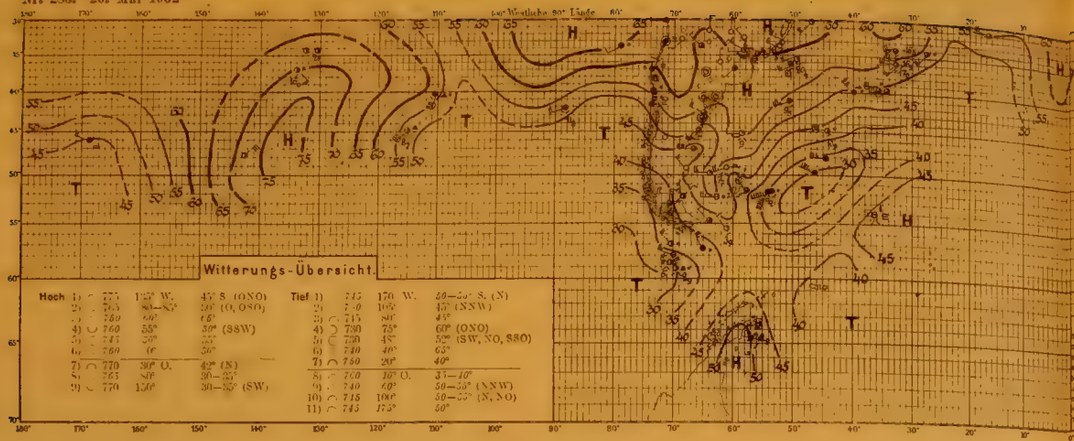
Nr. 282. 19. Mai 1902



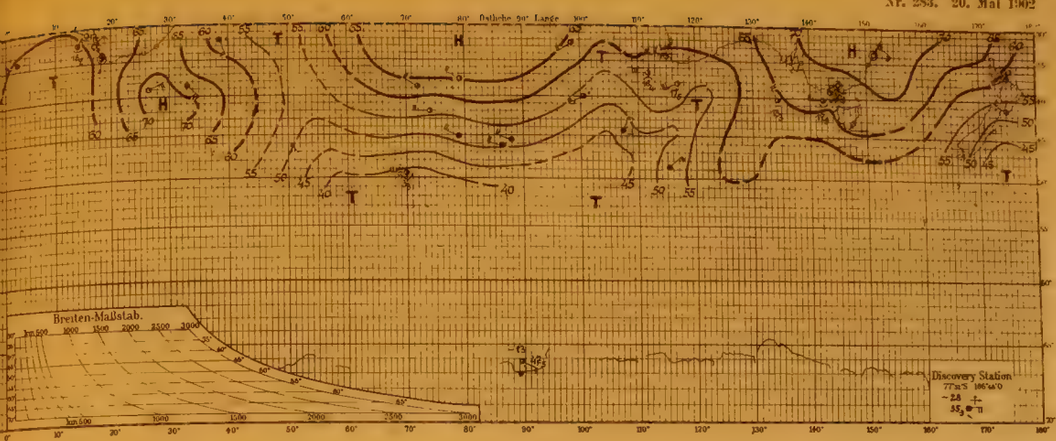
Tafel 95. Nr. 283–285.

20.—22. Mai 1902.

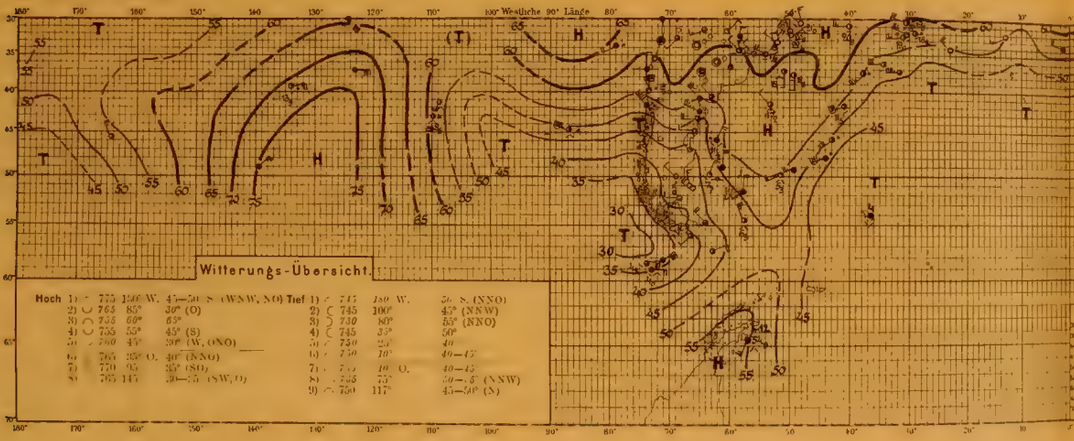
Nr. 283. 20. Mai 1902



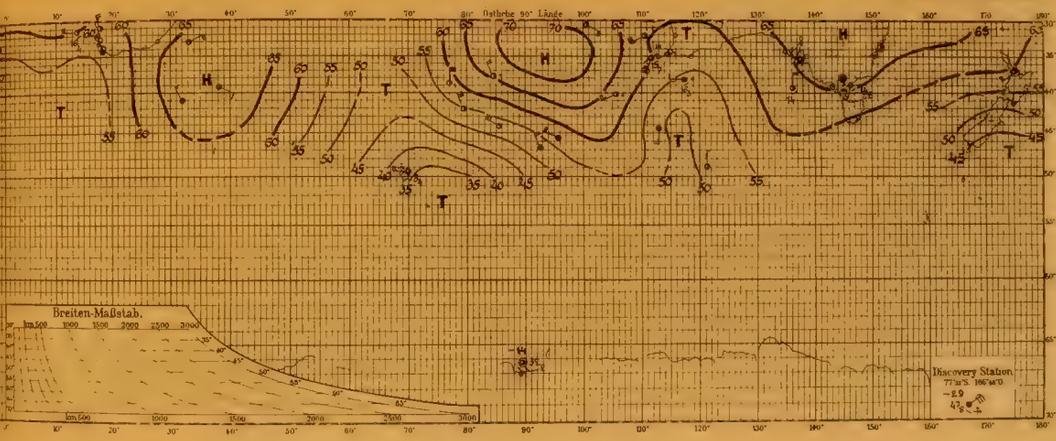
Nr. 283. 20. Mai 1902



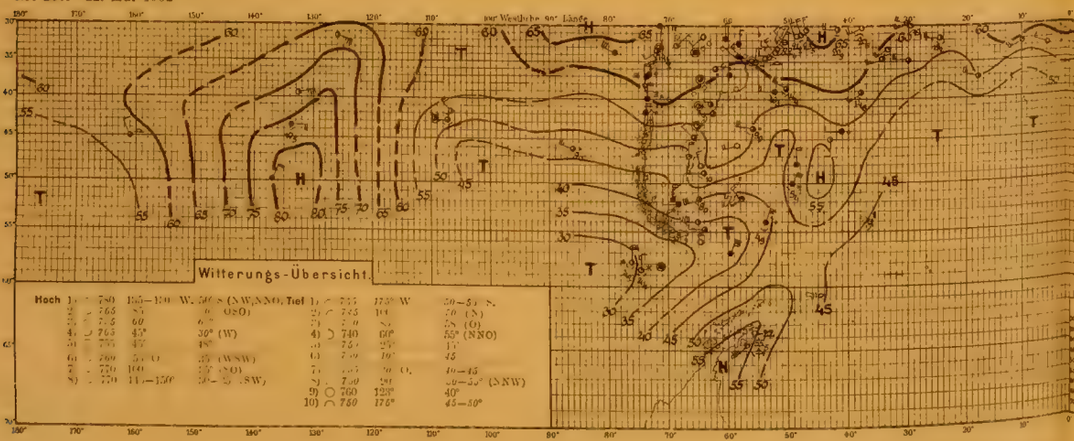
Nr. 284. 21. Mai 1902



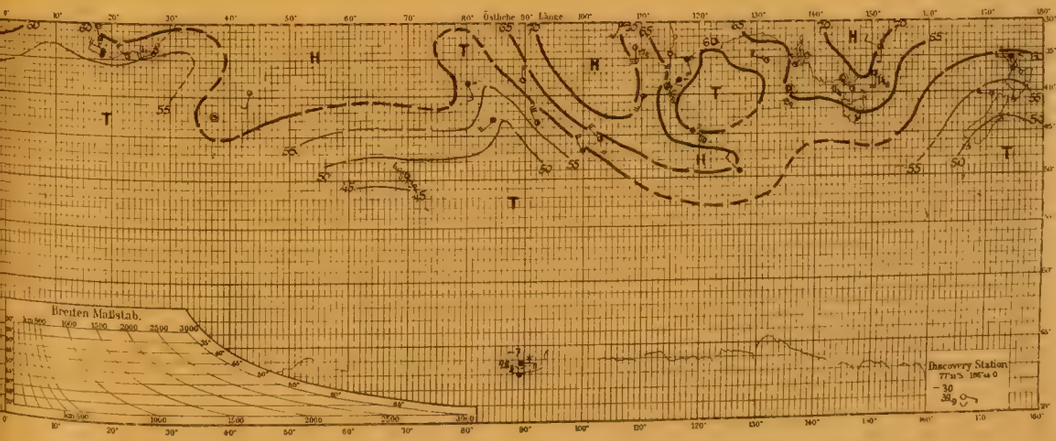
Nr. 284. 21. Mai 1902



Nr. 285. 22. Mai 1902



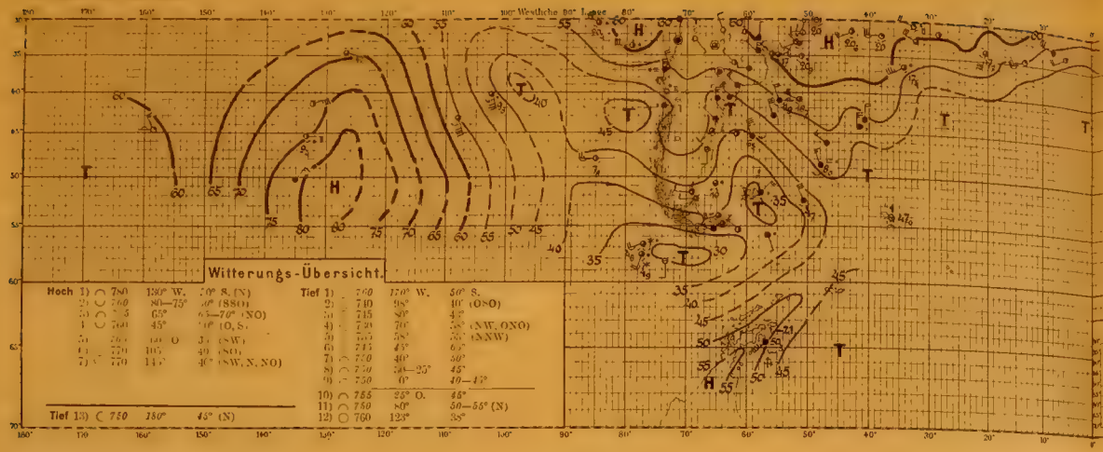
Nr. 285. 22. Mai 1902



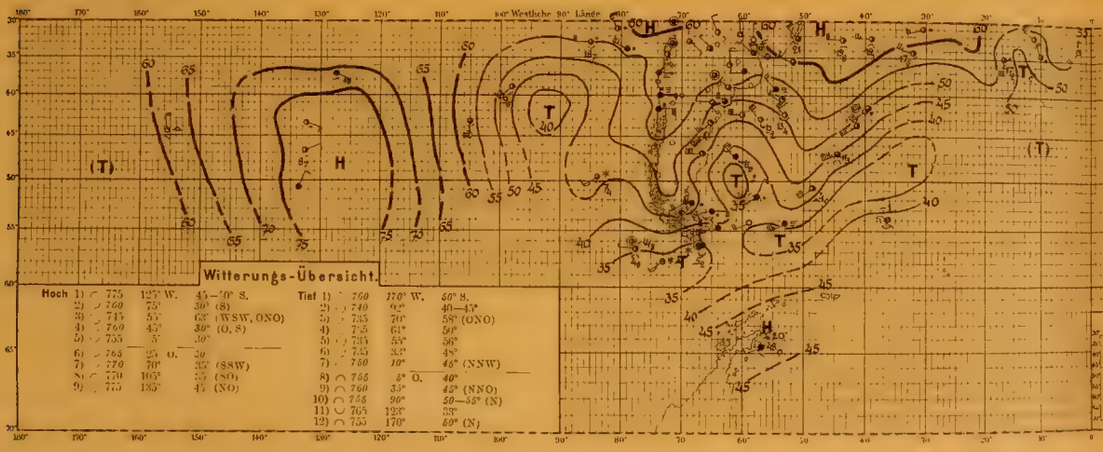
Tafel 96. Nr. 286—288.

23. 25. Mai 1902.

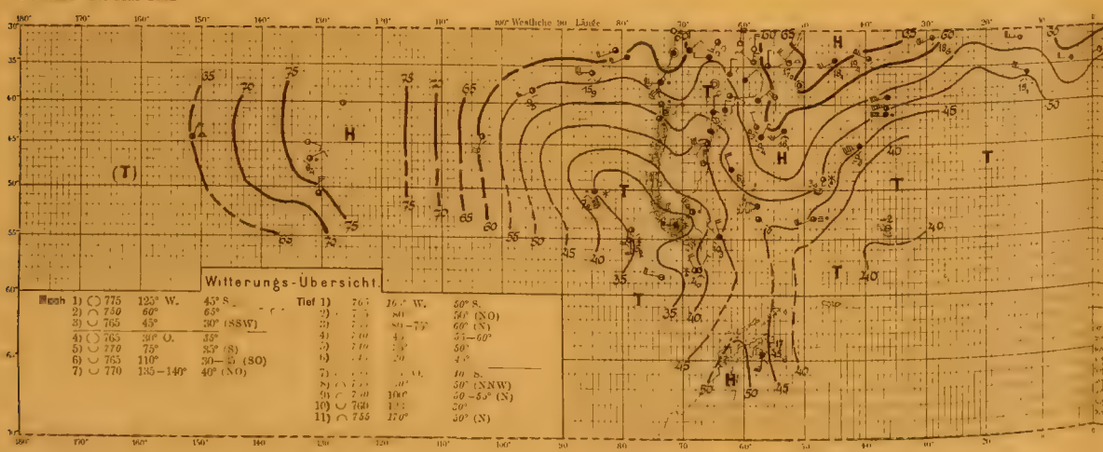
Nr. 286. 23. Mai 1902



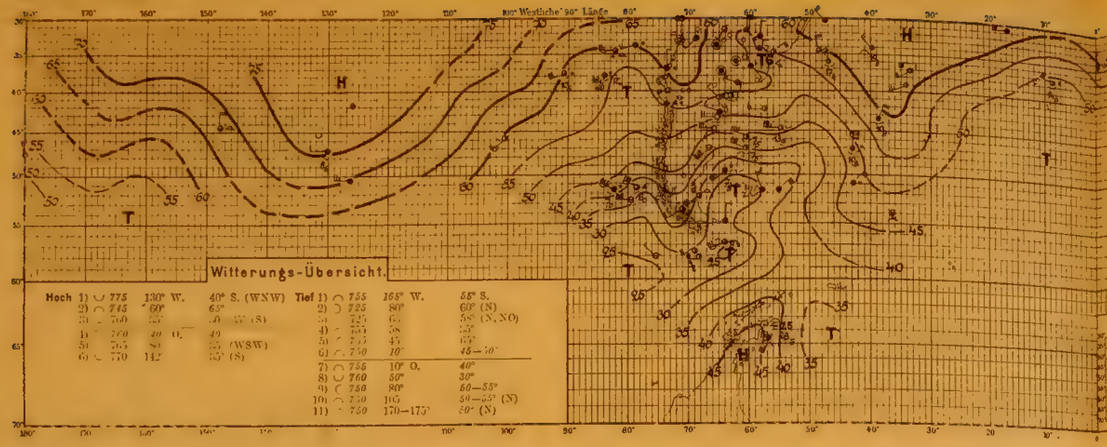
Nr. 287. 24. Mai 1902



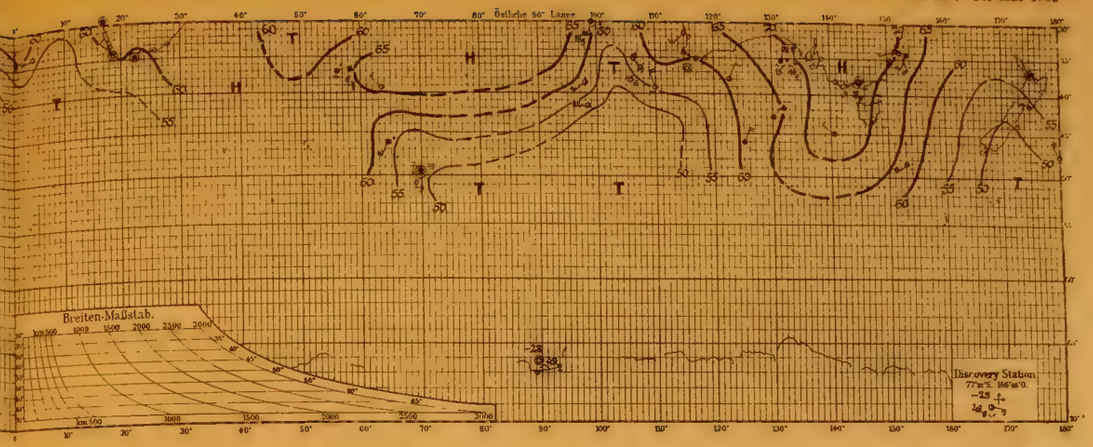
Nr. 288. 25. Mai 1902



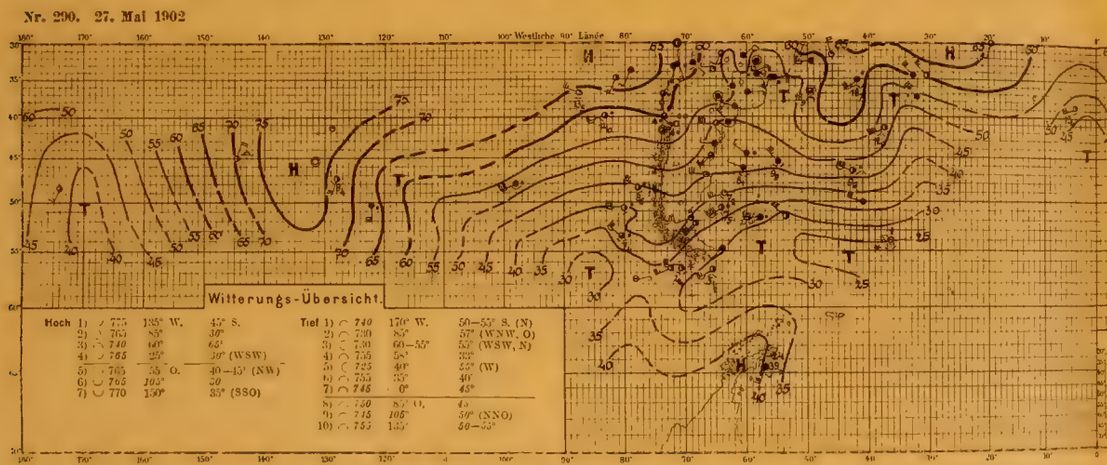
Nr. 289. 26. Mai 1902



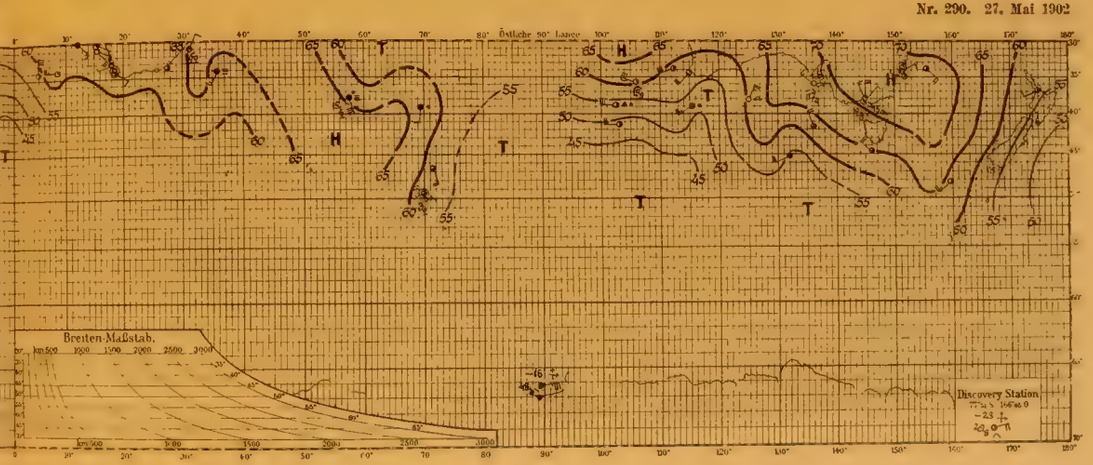
Nr. 289. 26. Mai 1902



Nr. 290. 27. Mai 1902

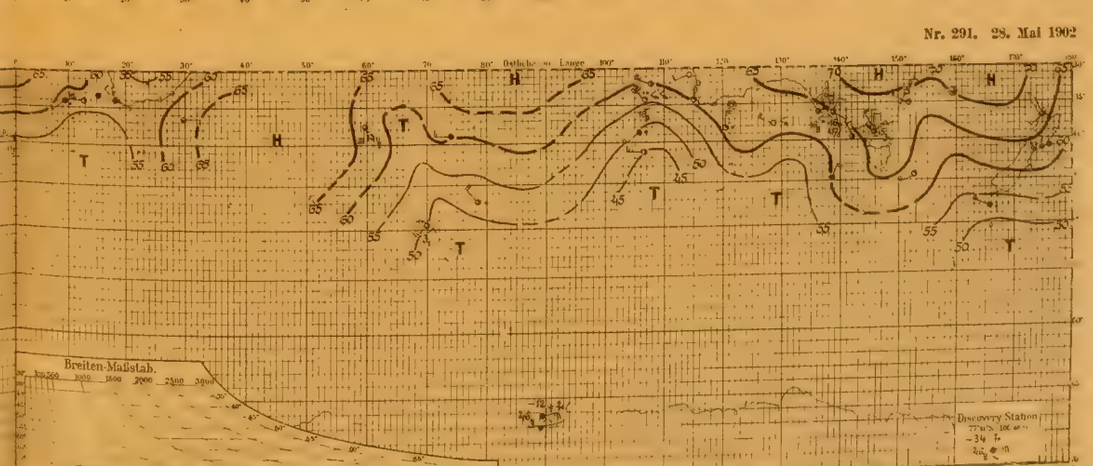


Nr. 290. 27. Mai 1902

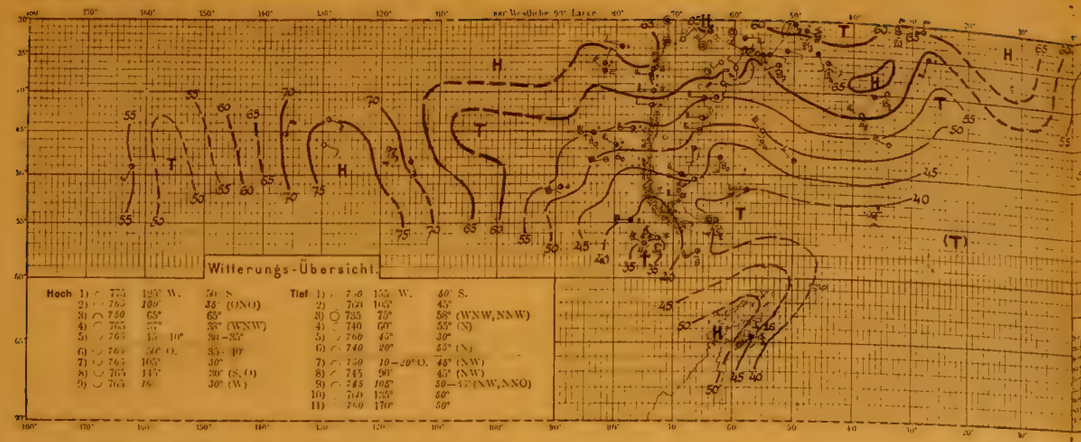


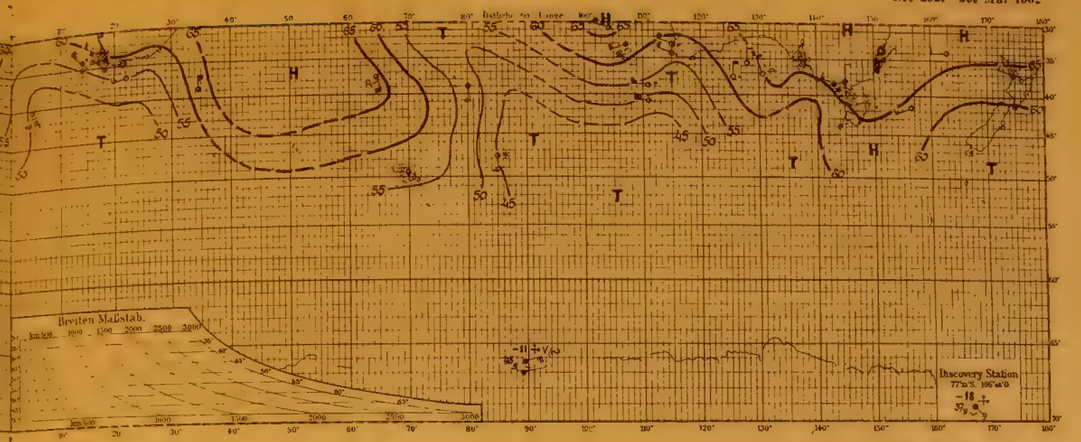
Nr. 291. 28. Mai 1902

Nr. 291. 28. Mai 1902

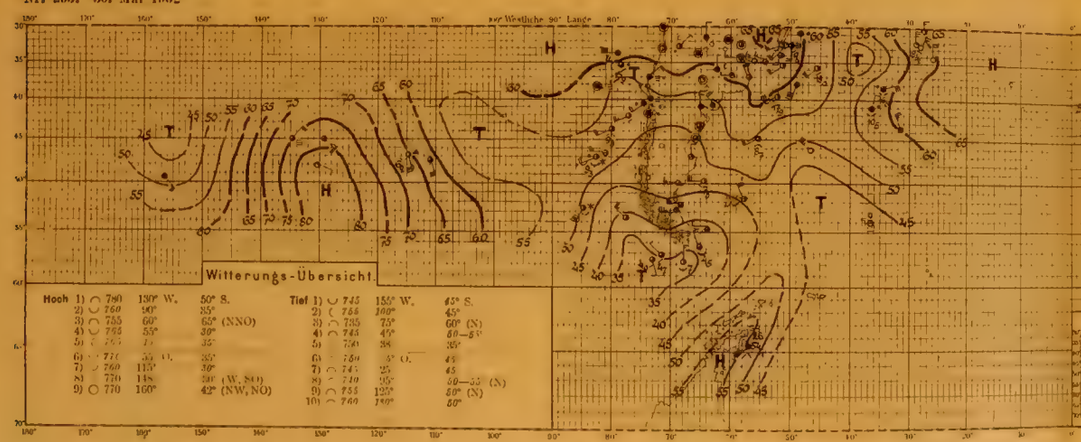


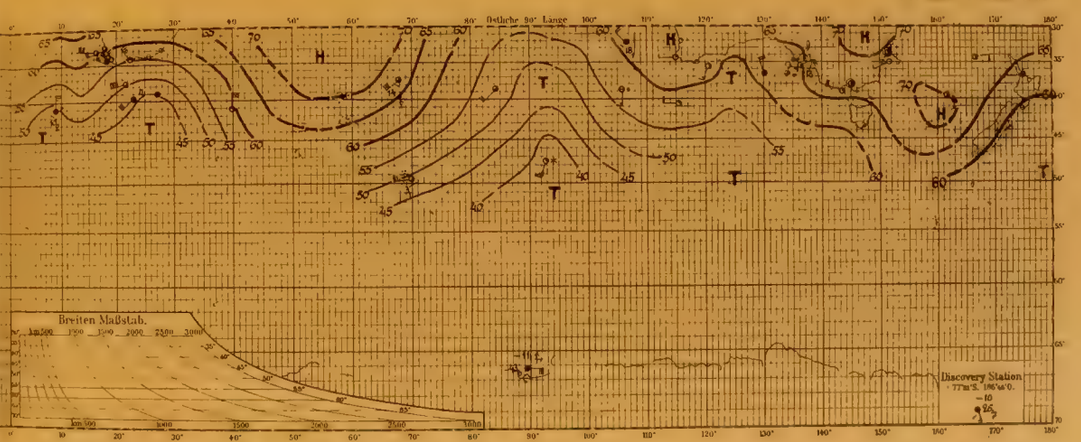
Nr. 292. 29. Mai 1902



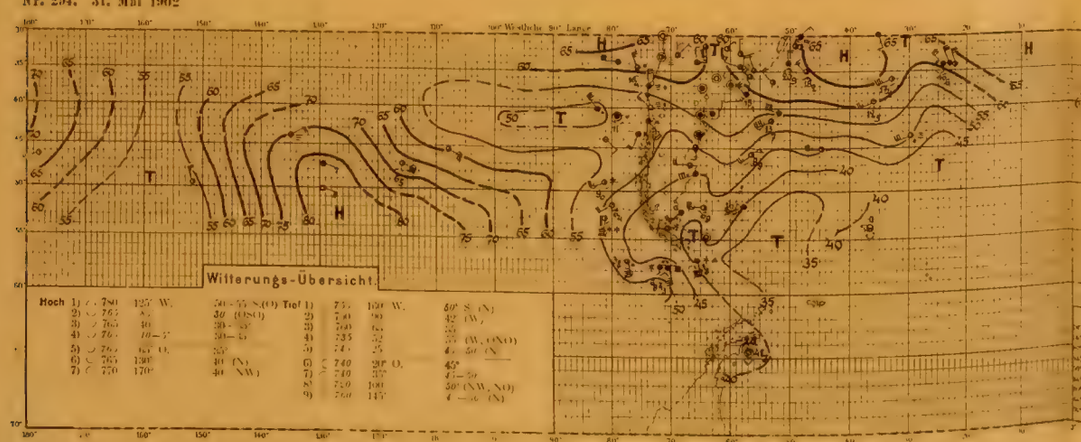


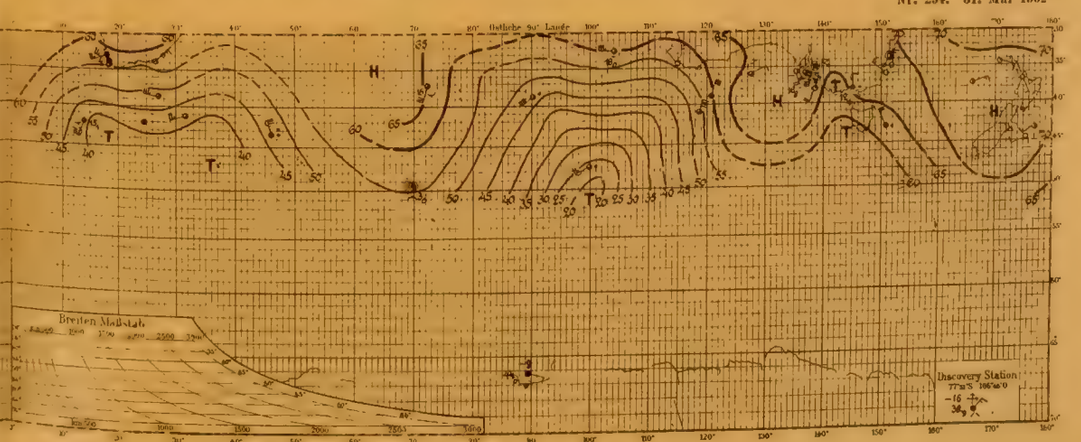
Nr. 293. 30. Mai 1902



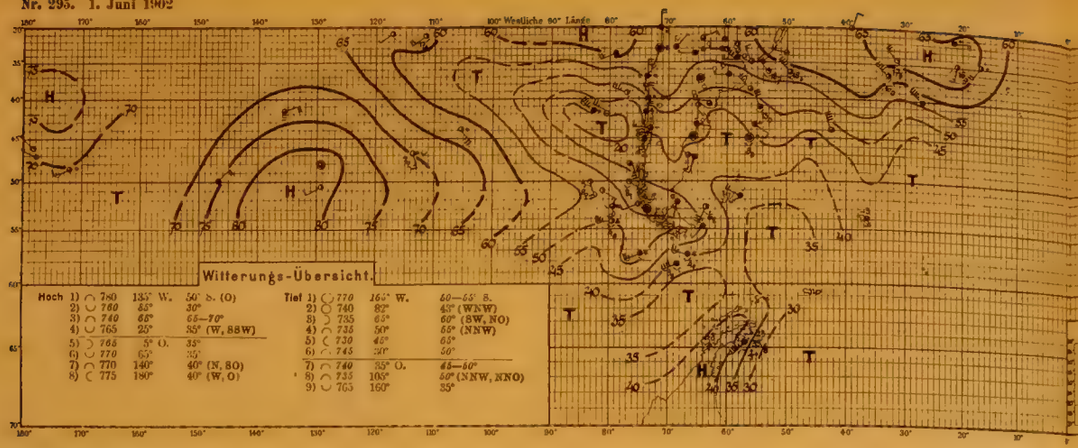


Nr. 294. 31. Mai 1902

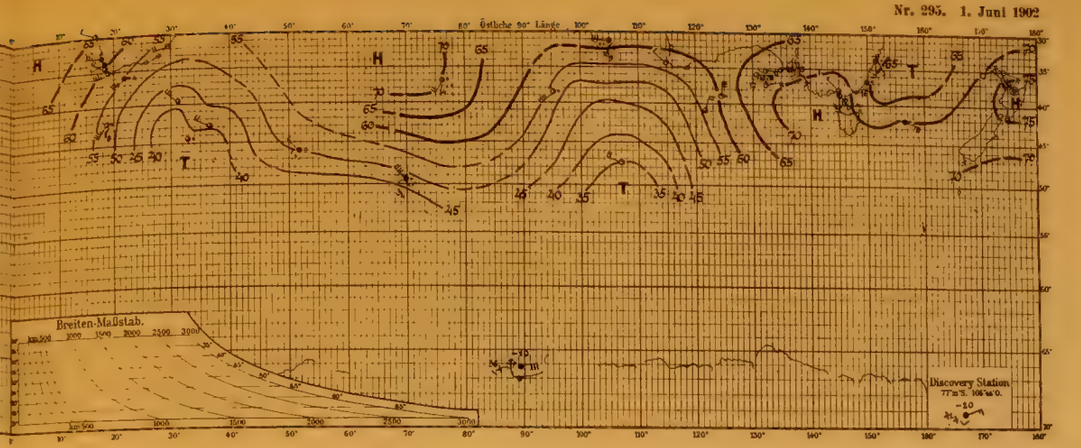




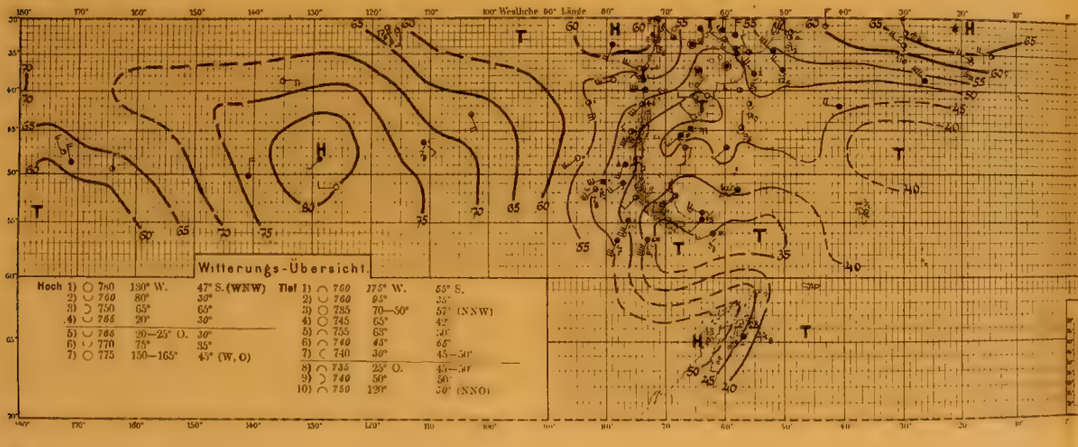
Nr. 295. 1. Juni 1902



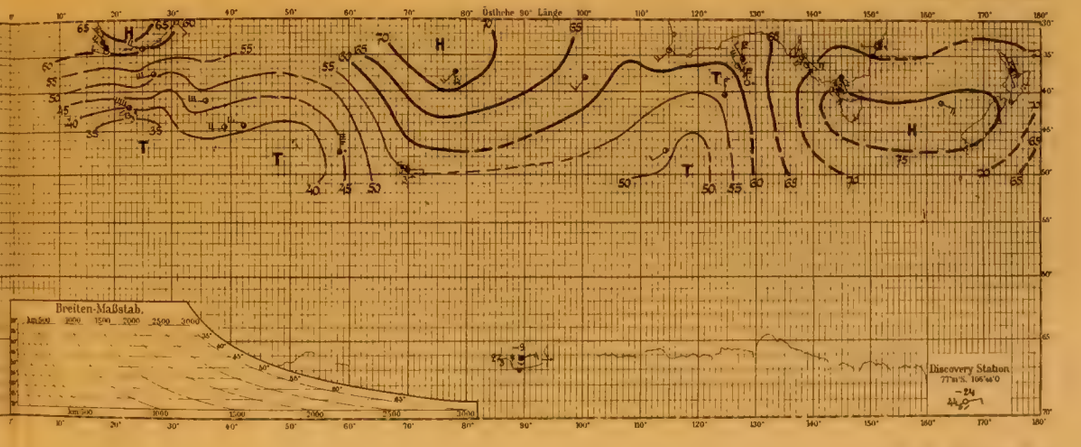
Nr. 295. 1. Juni 1902



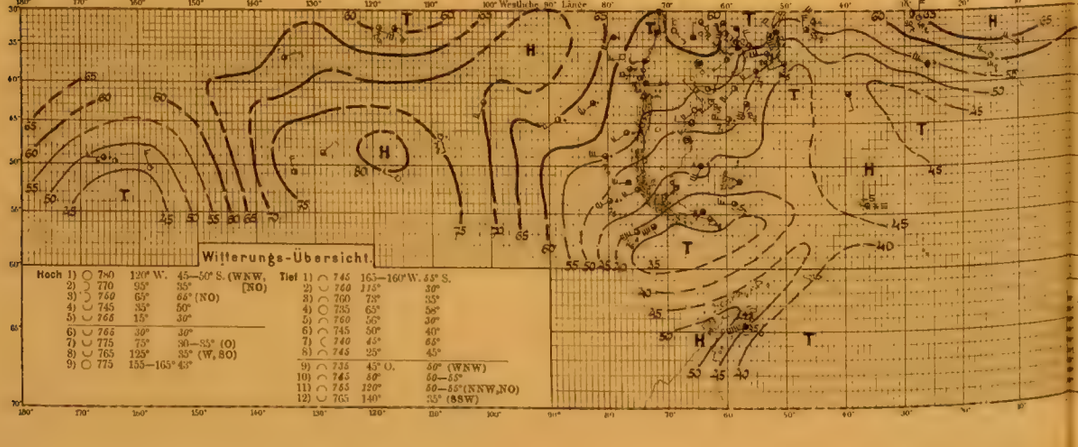
Nr. 296. 2. Juni 1902



Nr. 296. 2. Juni 1902



Nr. 297. 3. Juni 1902



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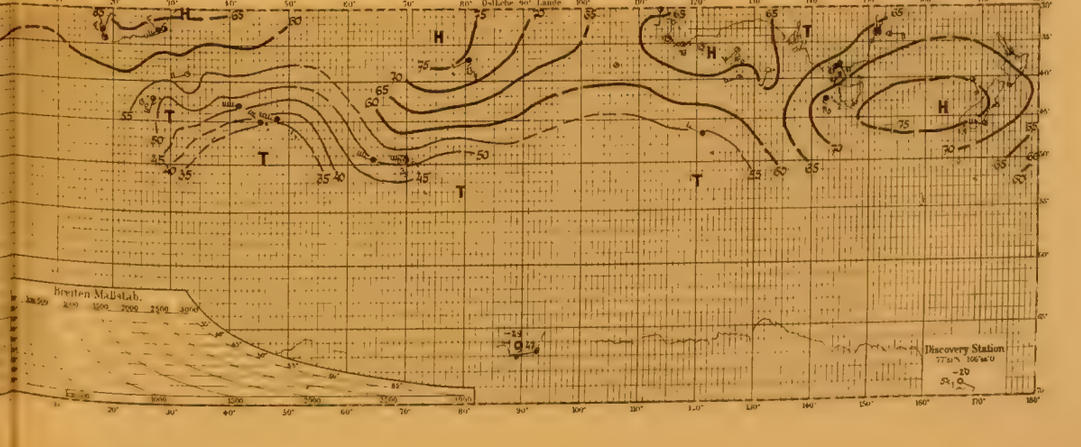

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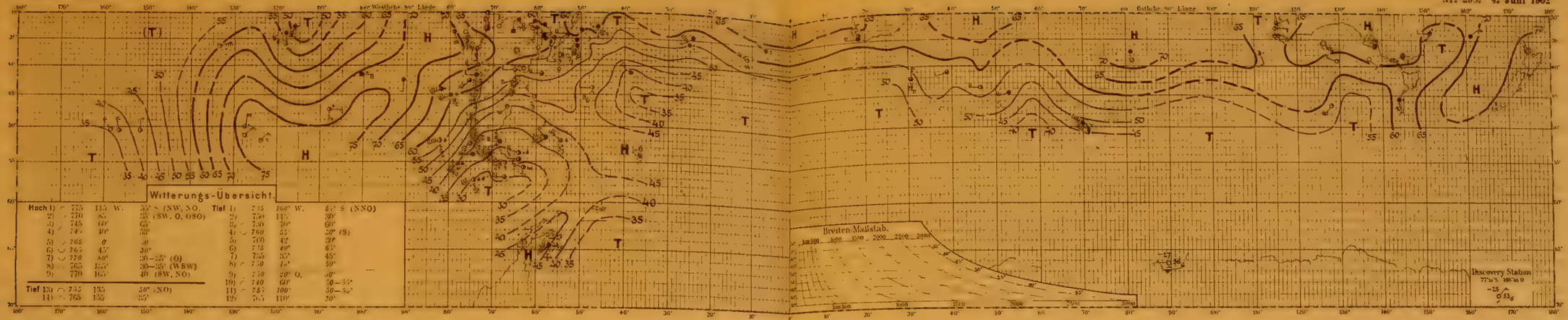
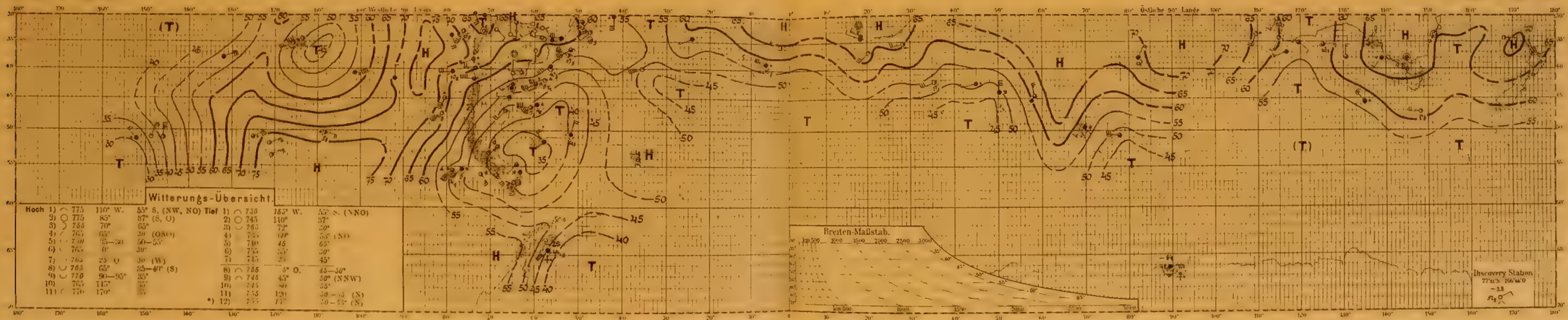


Nr. 298. 4. Juni 1902

Nr. 299. 5. Juni 1902



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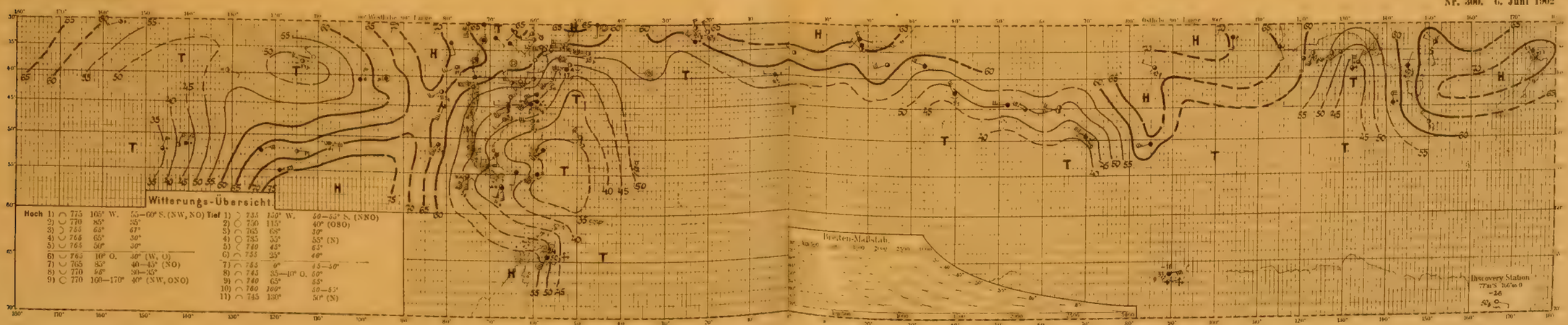
Nr. 300. 6. Juni 1902



Nr. 300. 6. Juni 1902

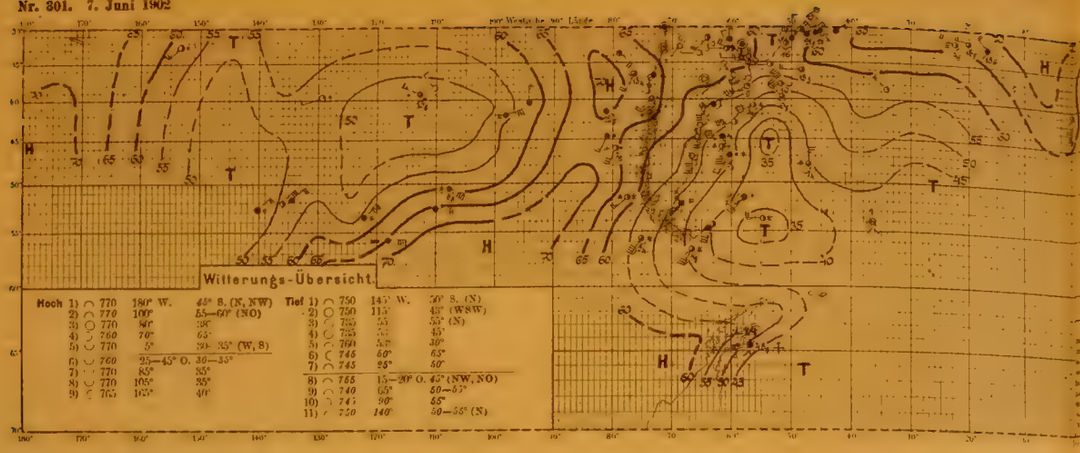
*) 5. Juni: Tief 13) ⌒ 765 155° 35—40°

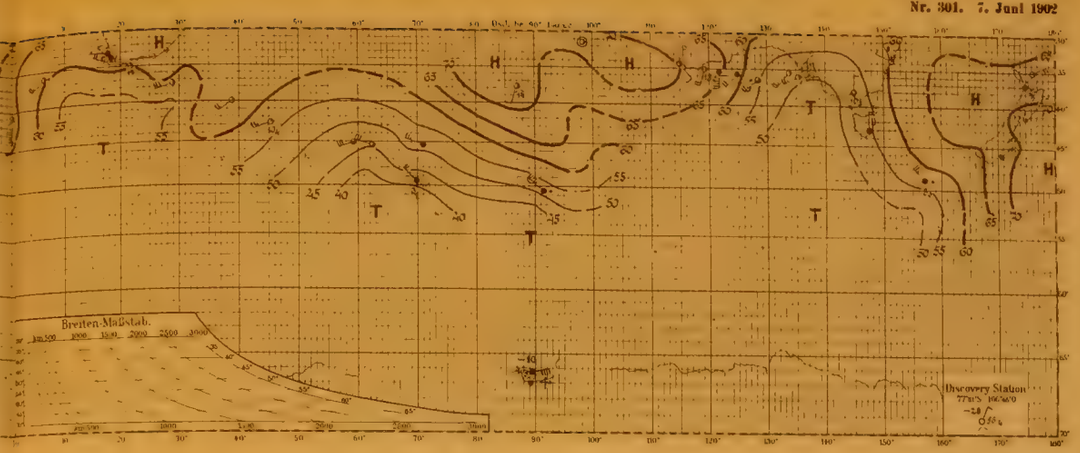
Tafel 101. Nr. 301—303.

7.—9. Juni 1902.

MUSEUM OF COMPARATIVE ZOOLOGY
LIBRARY

Nr. 301. 7. Juni 1902





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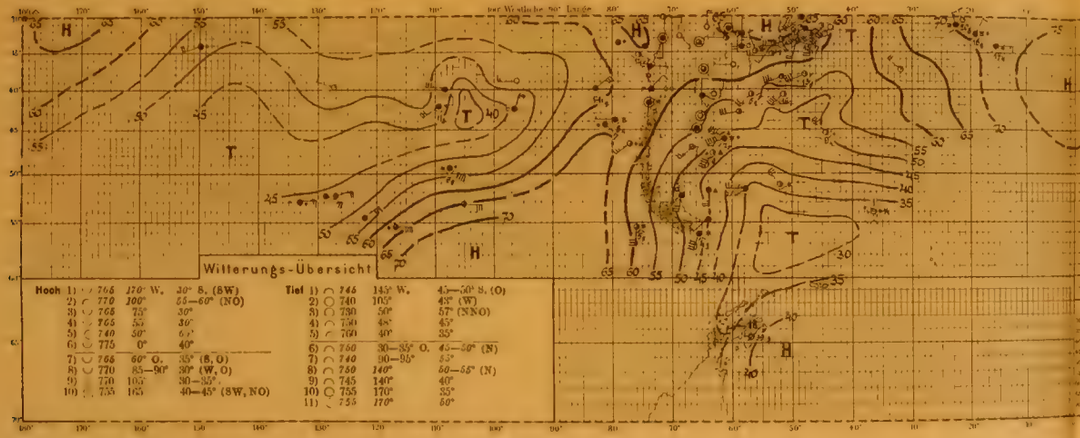

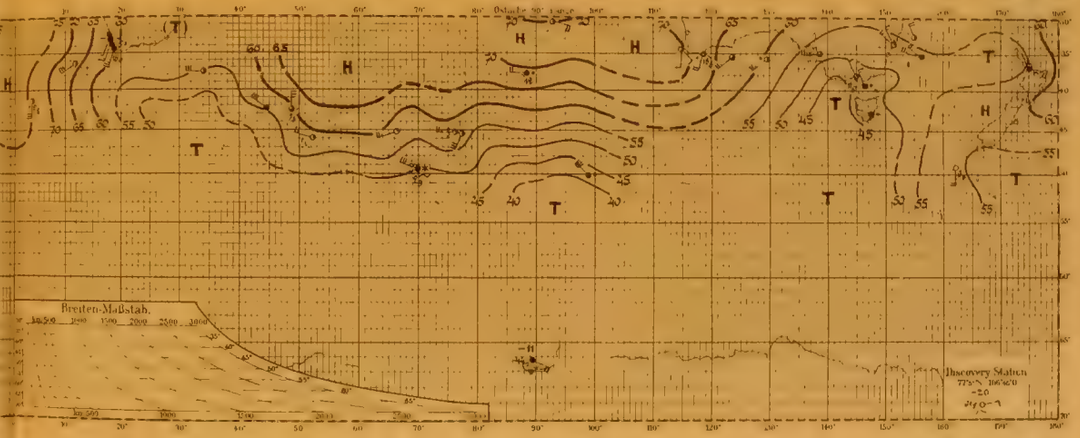

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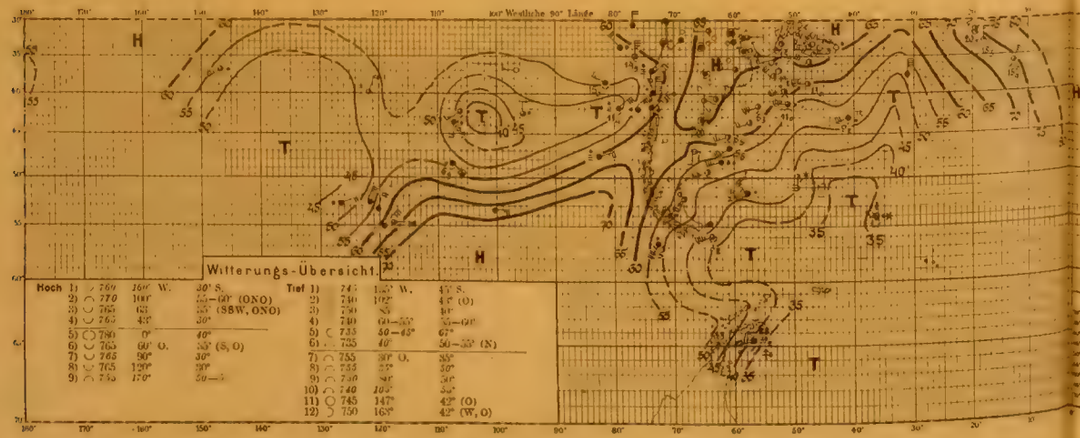
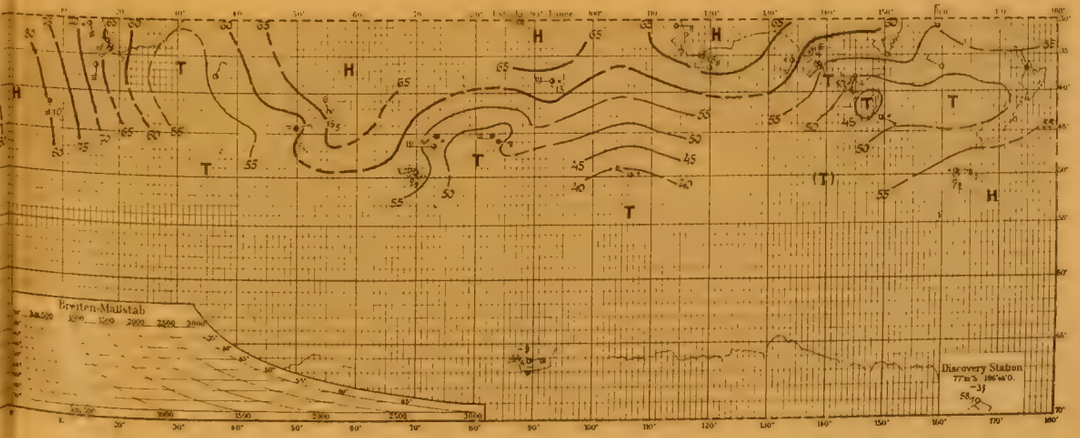
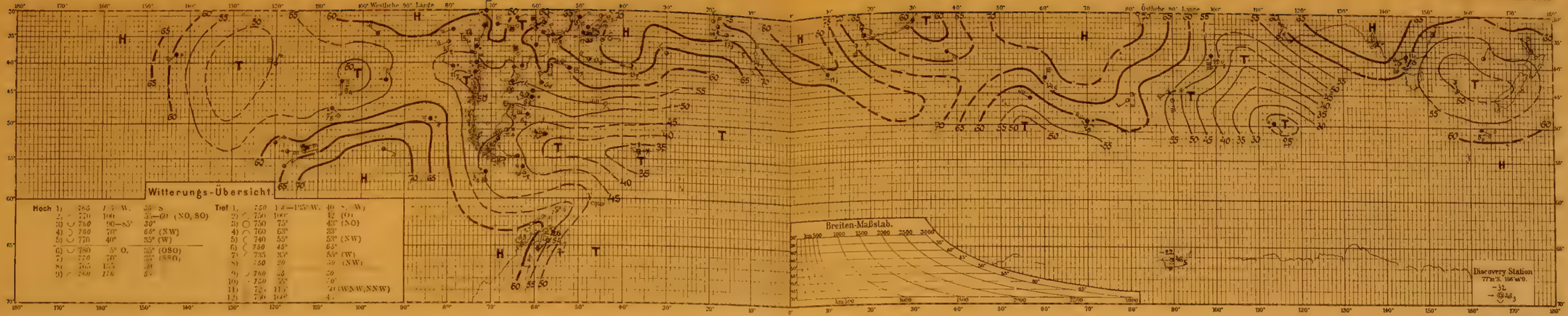


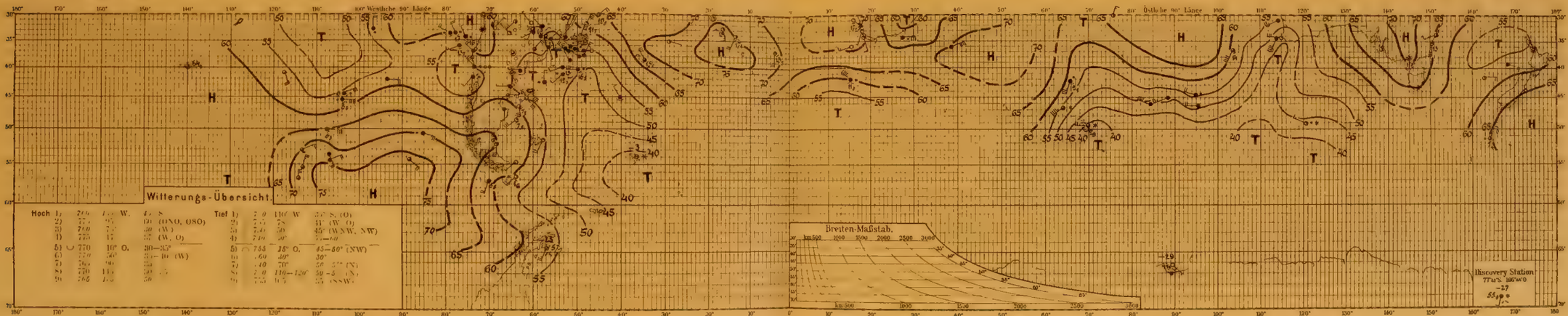


Nr. 304. 10. Juni 1902



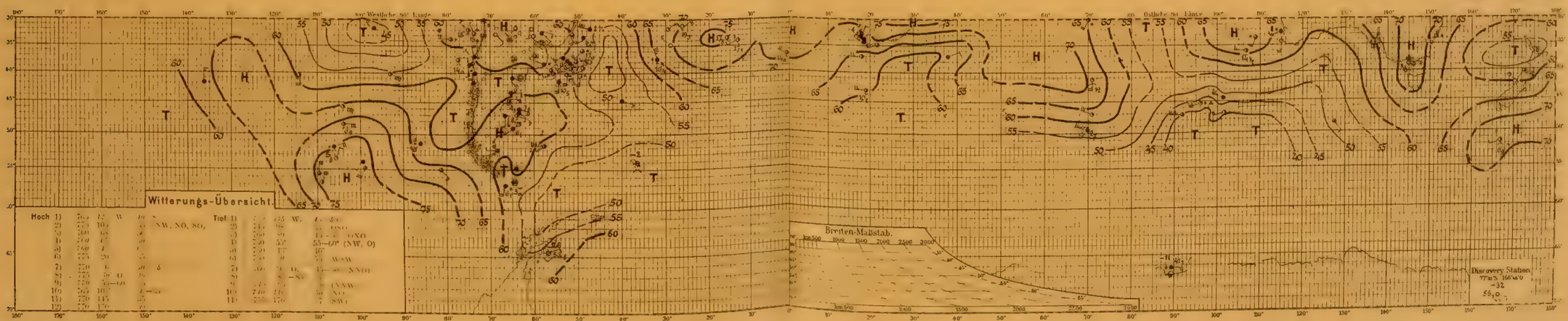
Nr. 304. 10. Juni 1902

Nr. 305. 11. Juni 1902



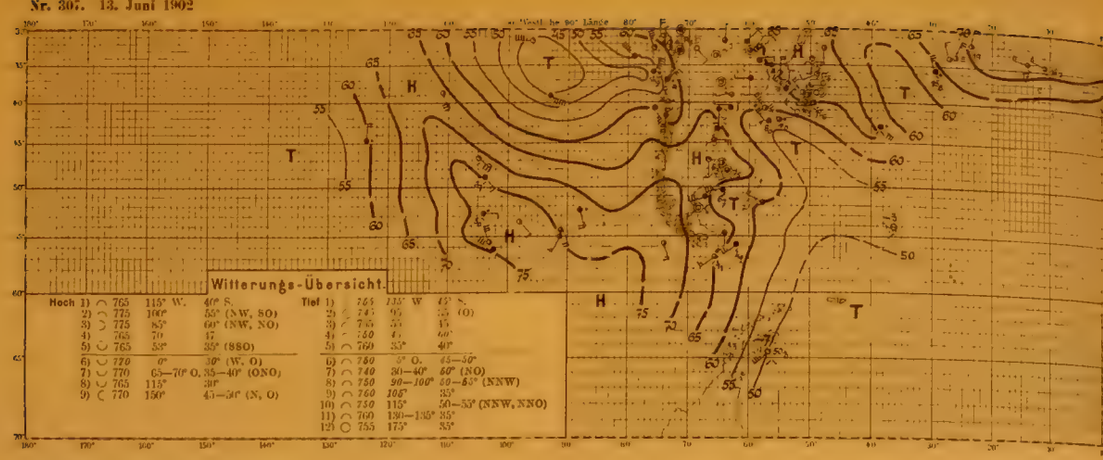
Nr. 305. 11. Juni 1902

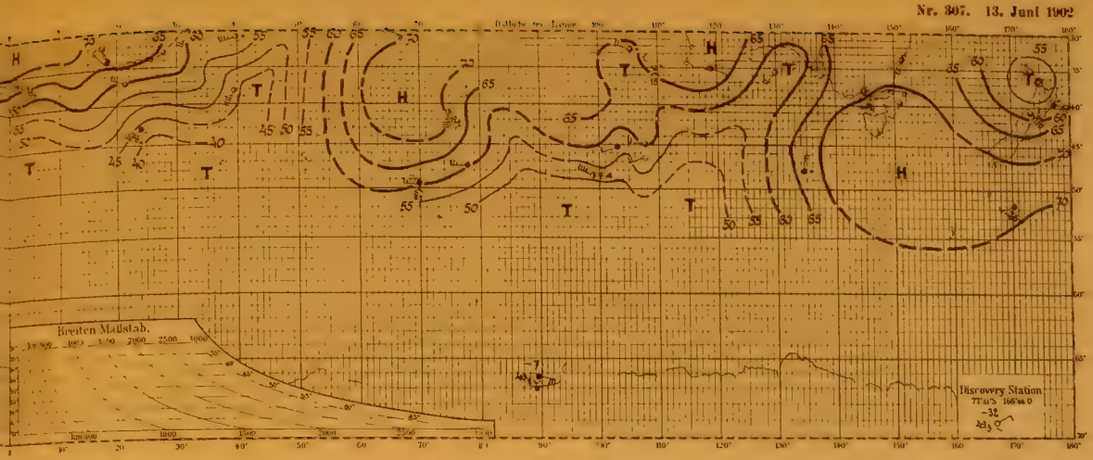
Nr. 306. 12. Juni 1902



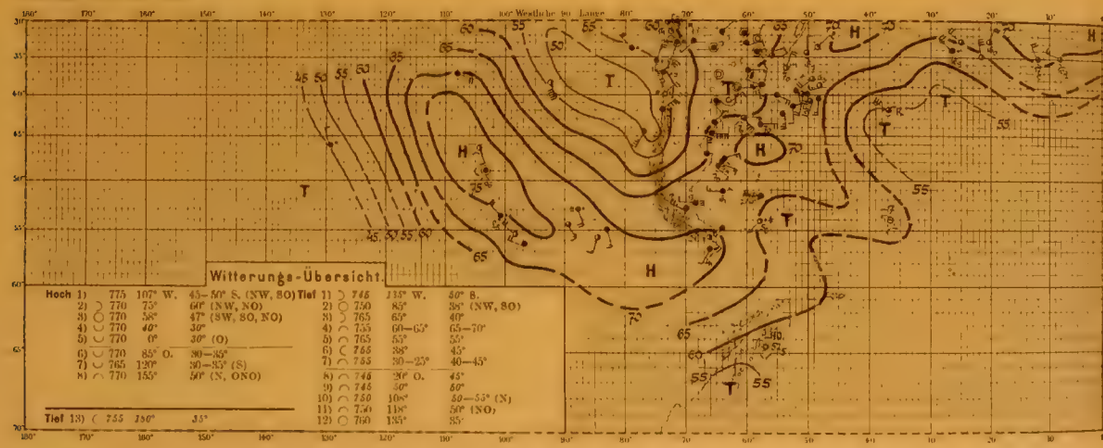
Nr. 306. 12. Juni 1902

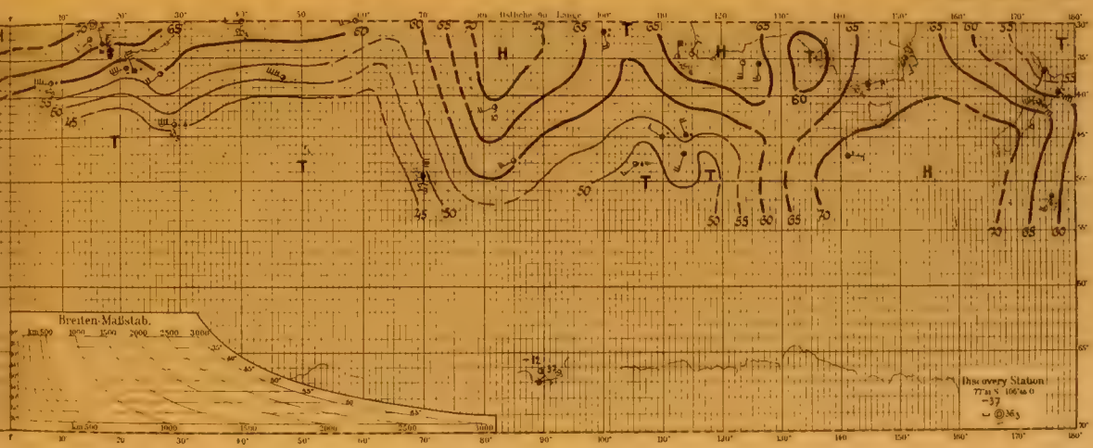
Nr. 307. 13. Juni 1902



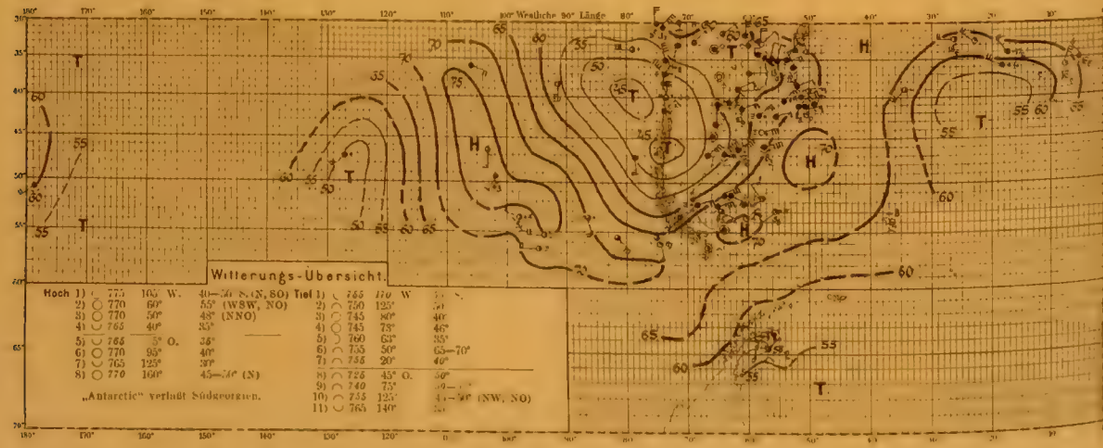


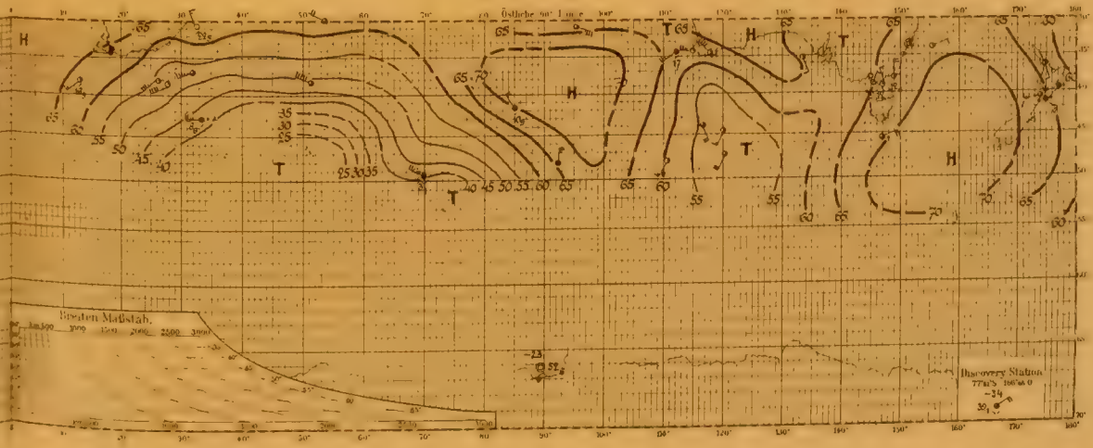
Nr. 308. 14. Juni 1902



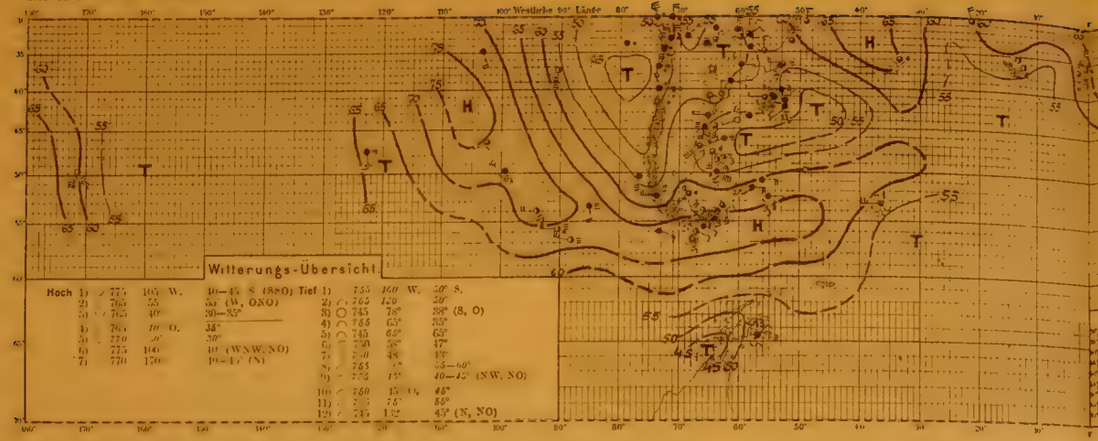


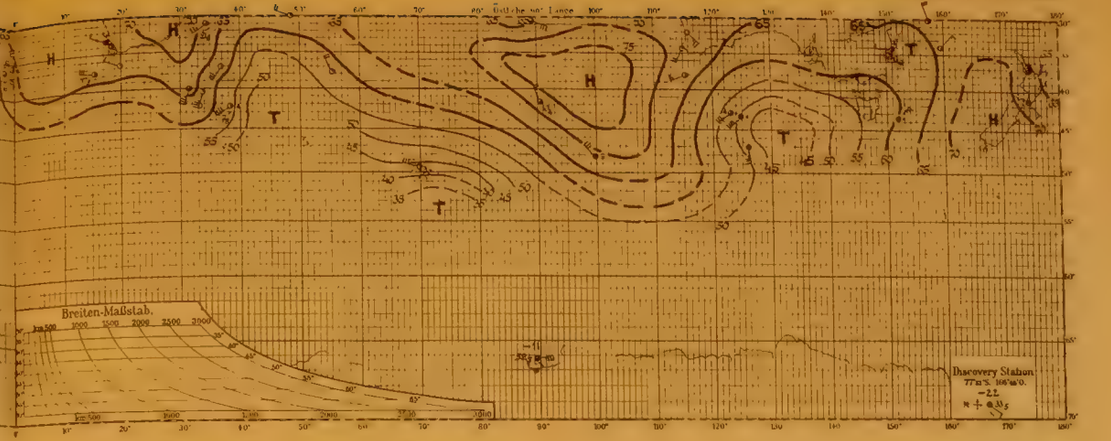
Nr. 309. 15. Juni 1902





Nr. 310. 16. Juni 1902





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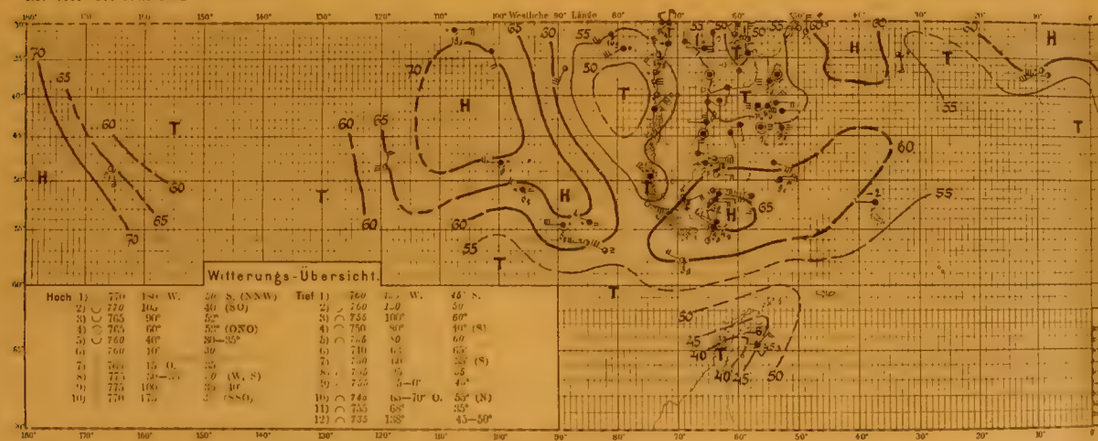

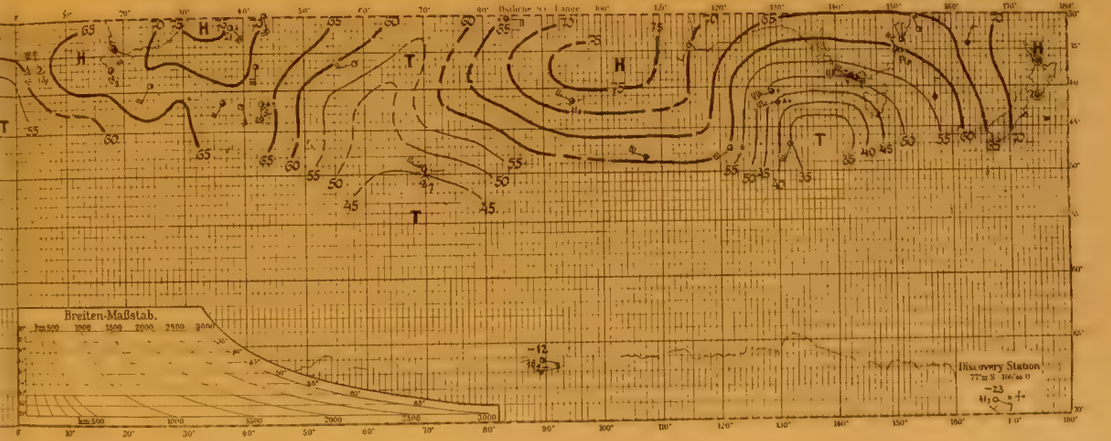

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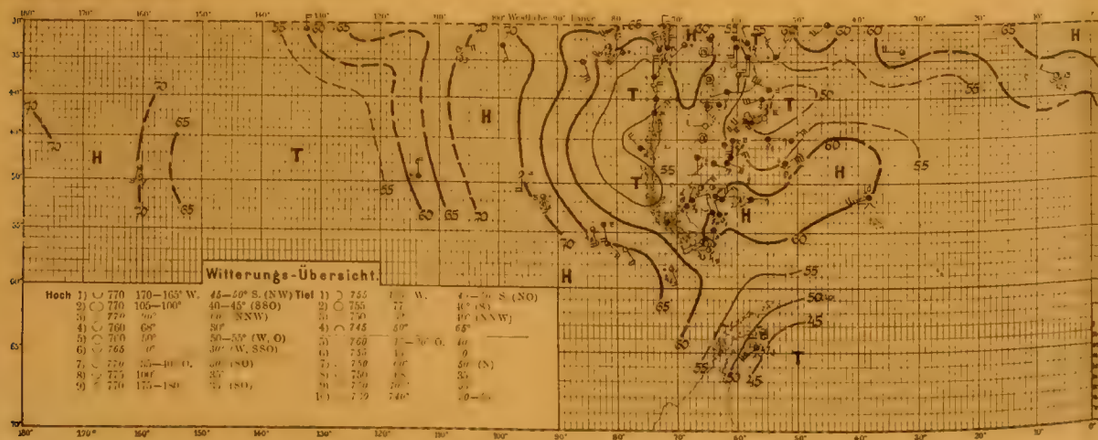
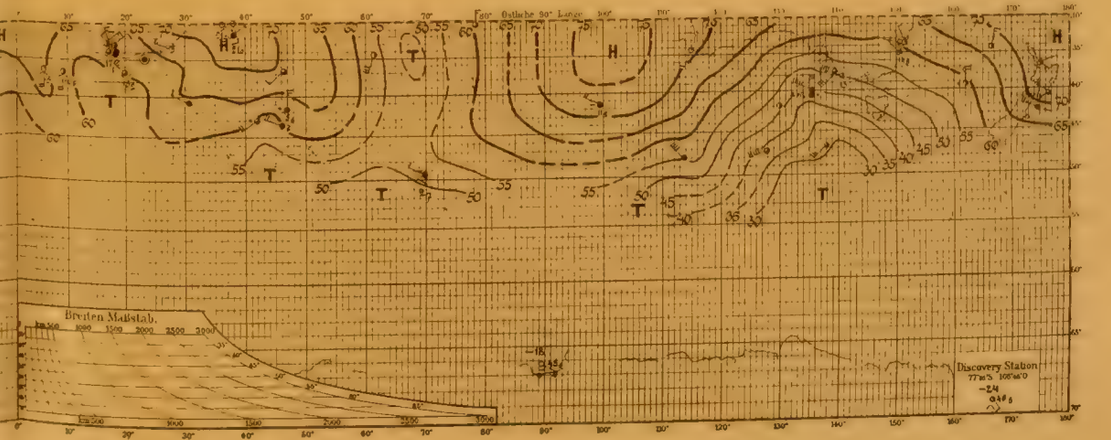
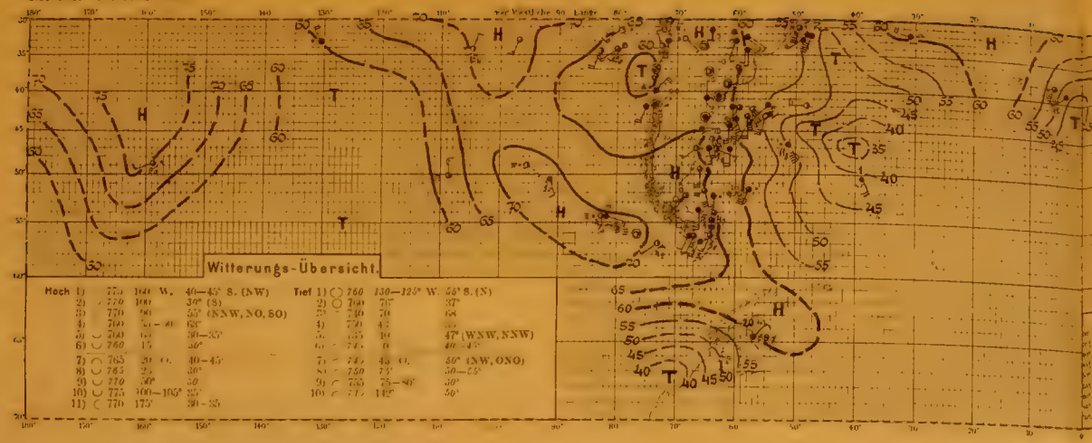
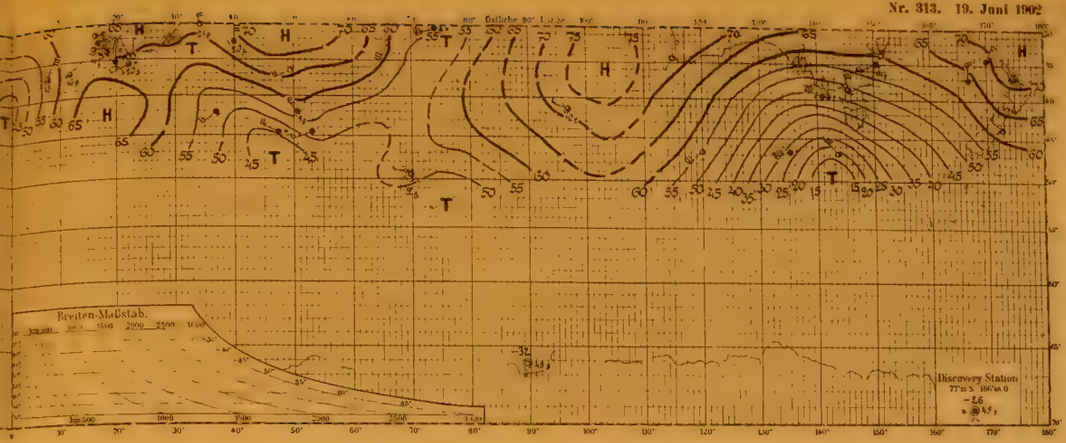


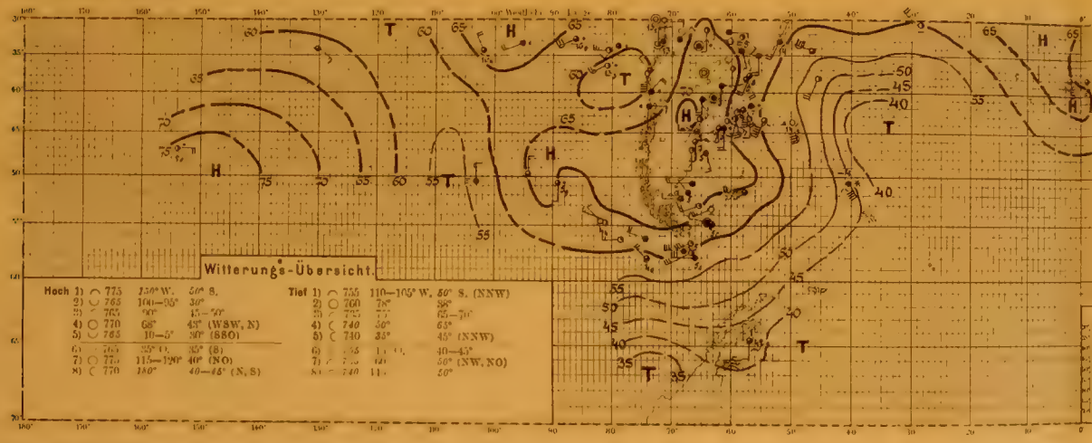


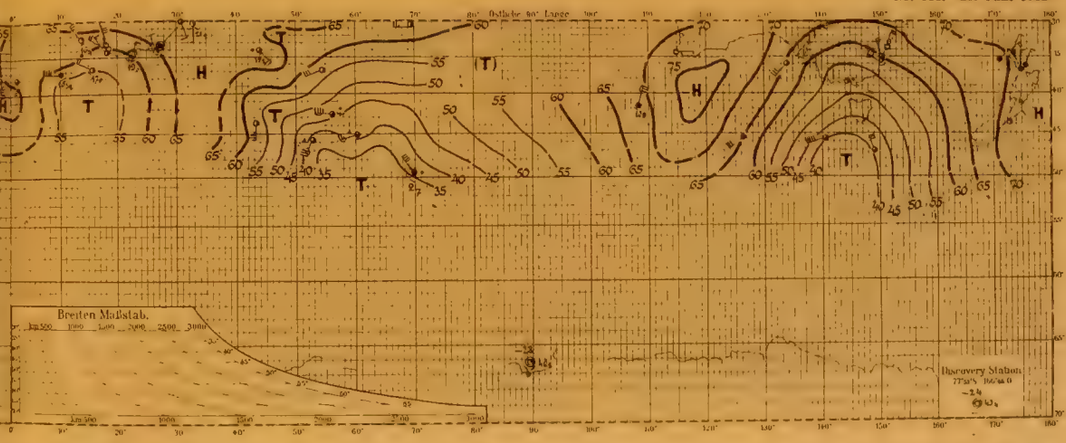
Nr. 313. 19. Juni 1902



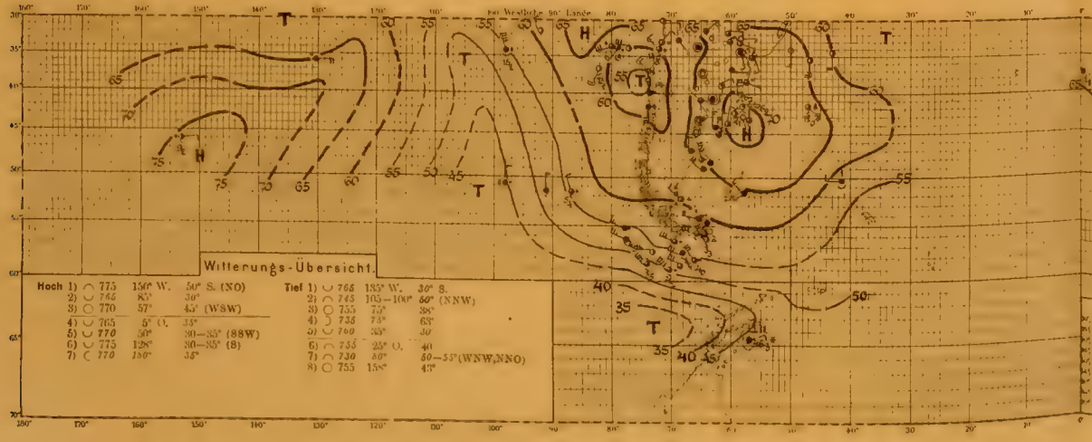


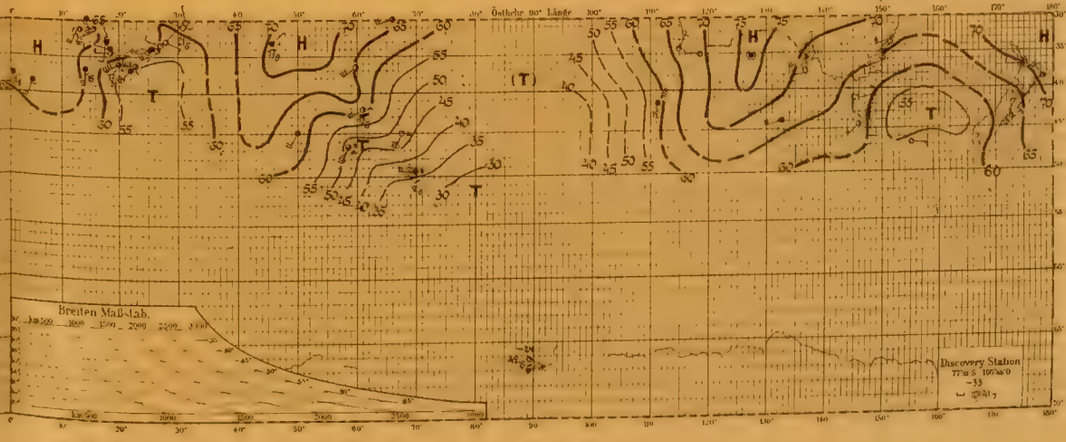
Nr. 314. 20. Juni 1902





Nr. 315. 21. Juni 1902

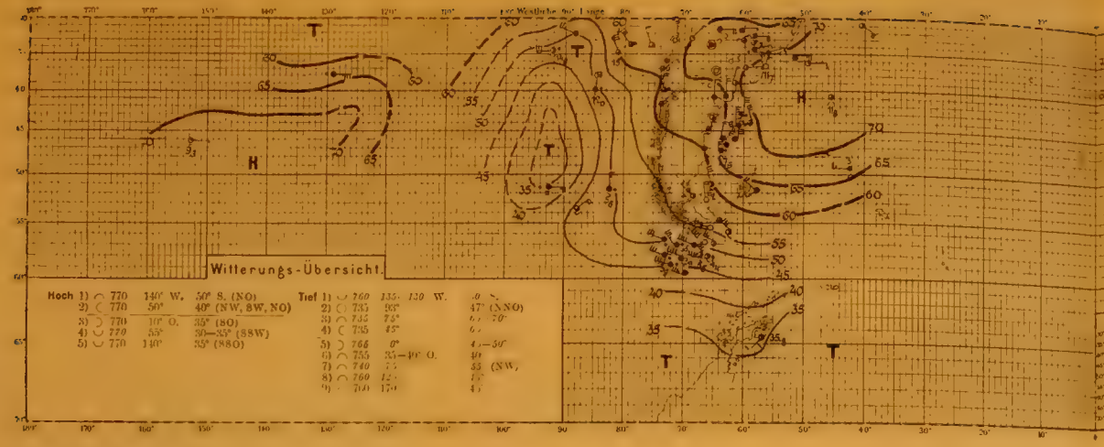


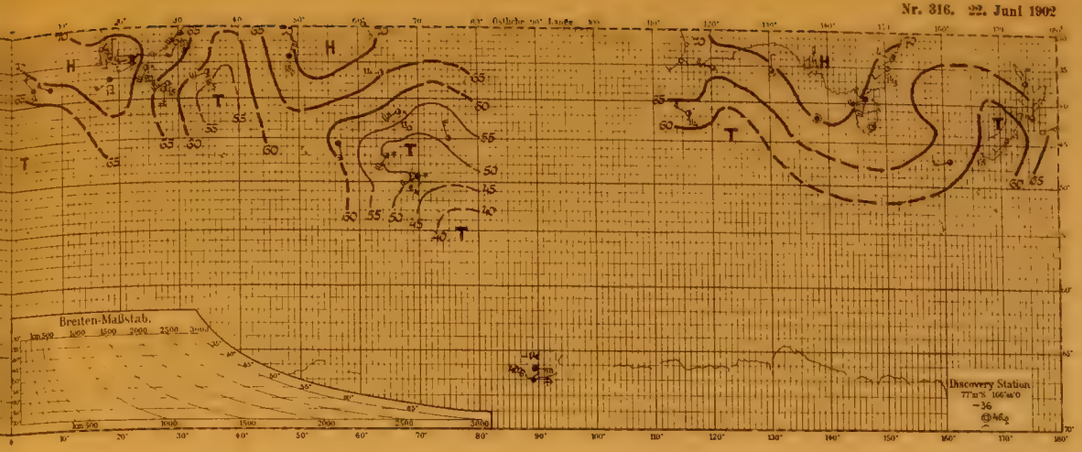


Tafel 106. *Nr. 316—318.*

22.—24. Juni 1902.

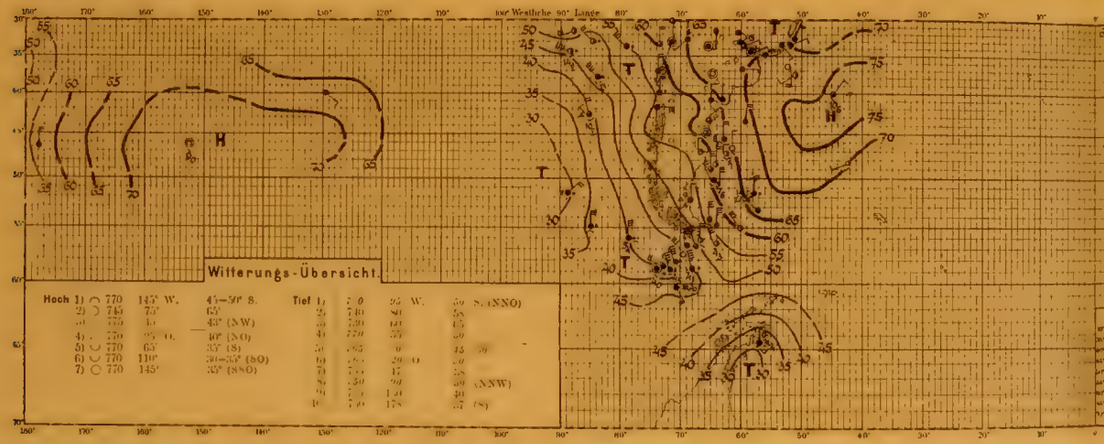
Nr. 316. 22. Juni 1902





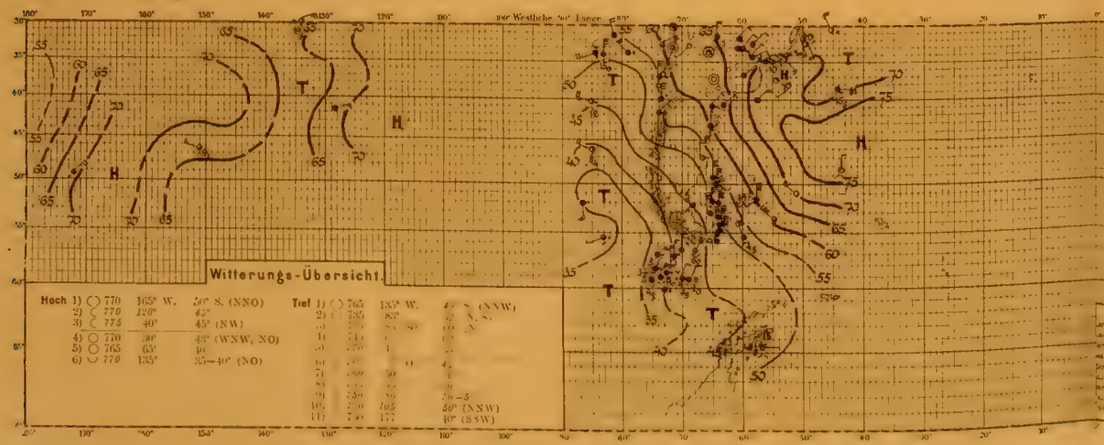
Nr. 316. 22. Juni 1902

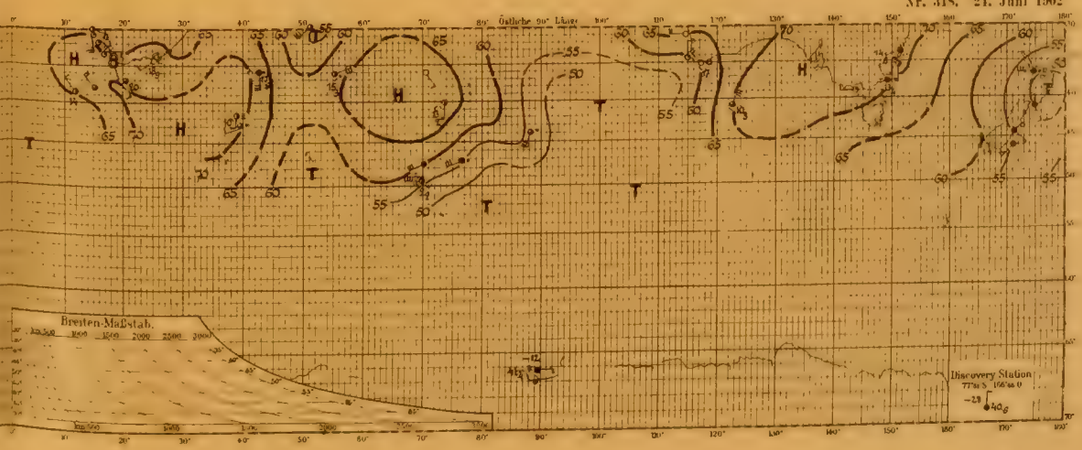
Nr. 317. 23. Juni 1902



Nr. 317. 23. Juni 1902

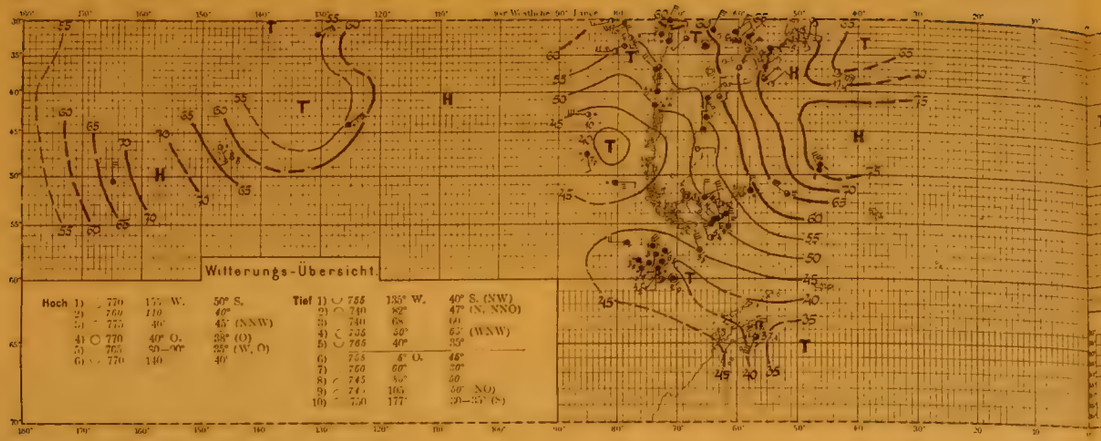
Nr. 318. 24. Juni 1902

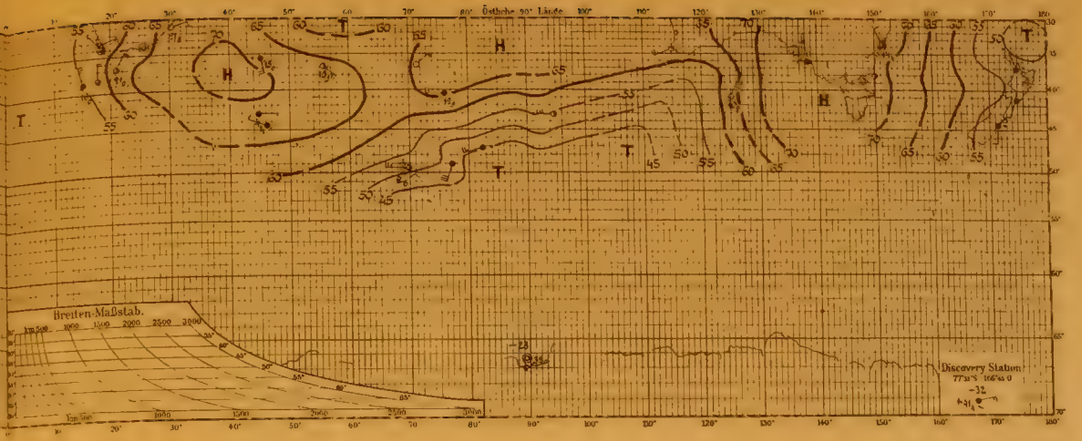




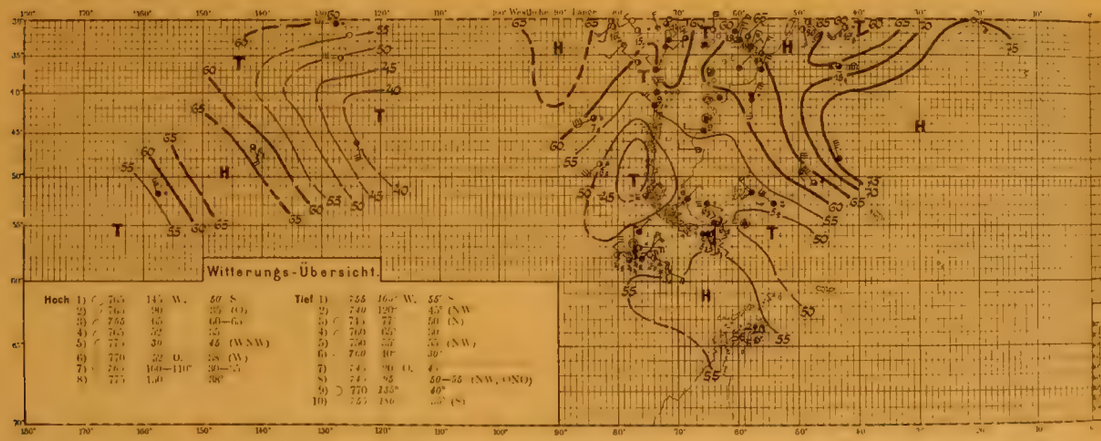
Nr. 318. 24. Juni 1902

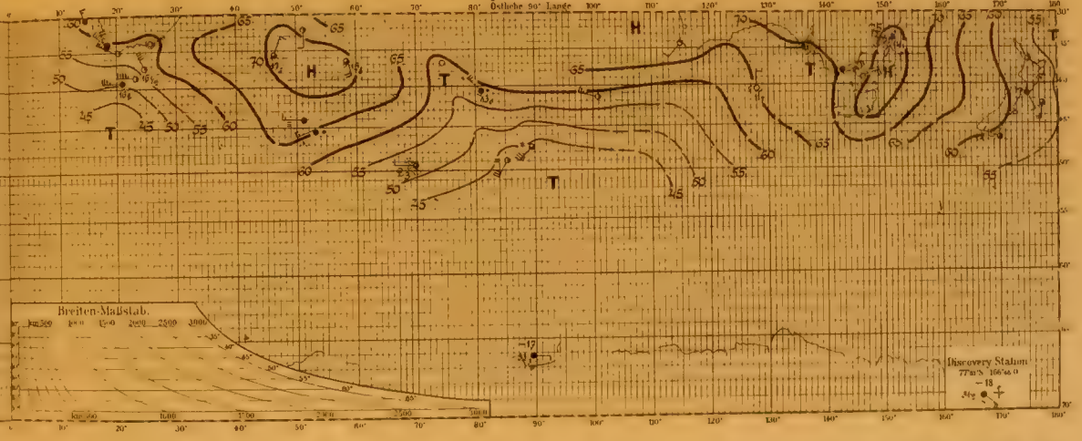
Nr. 319. 25. Juni 1902



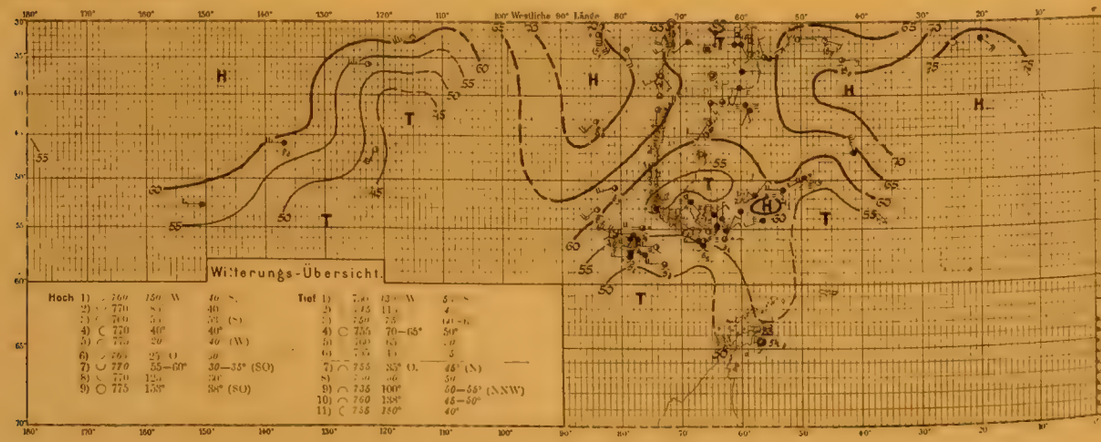


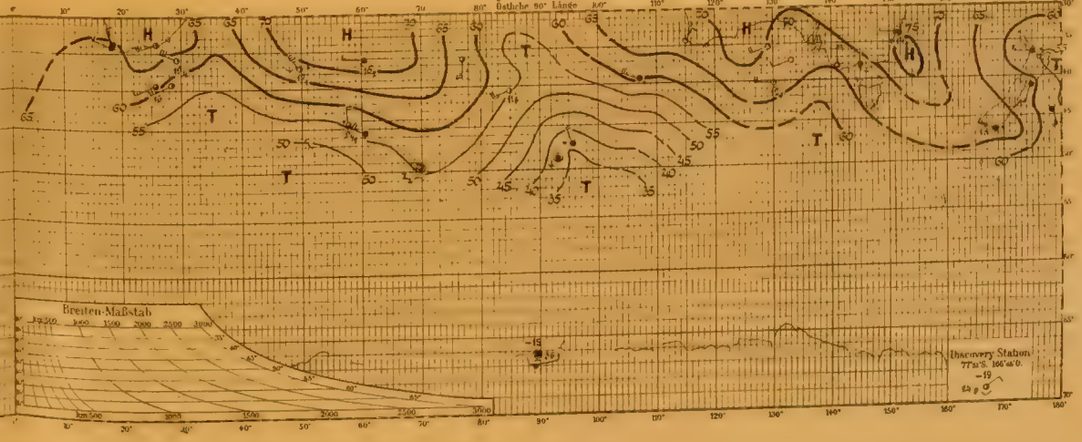
Nr. 320. 26. Juni 1902



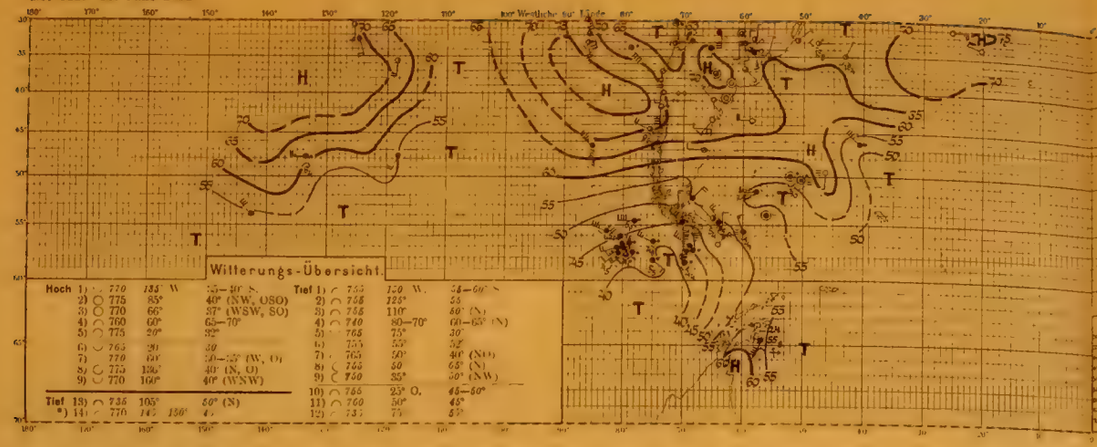


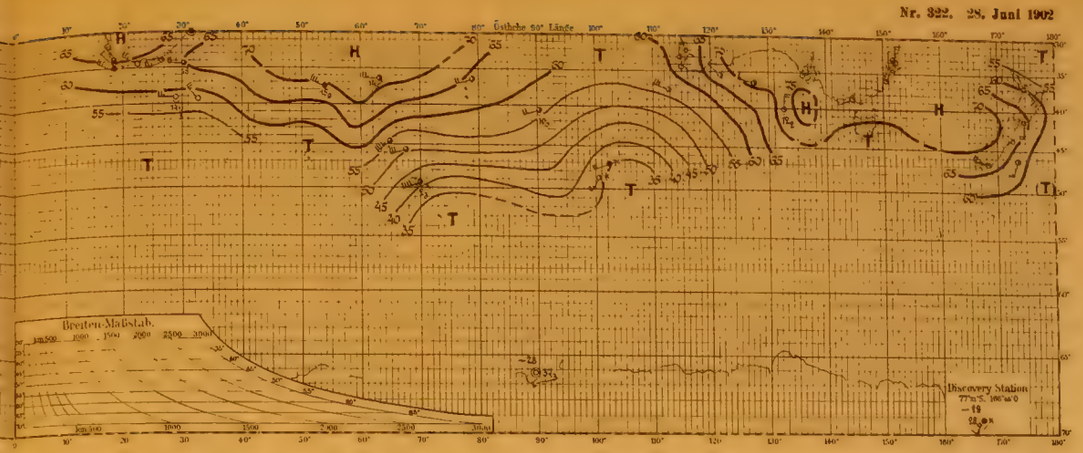
Nr. 321. 27. Juni 1902



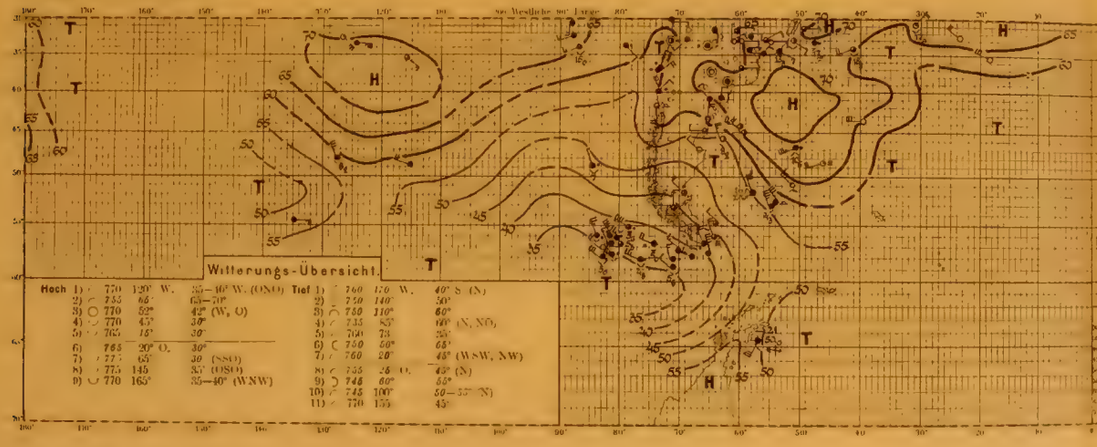


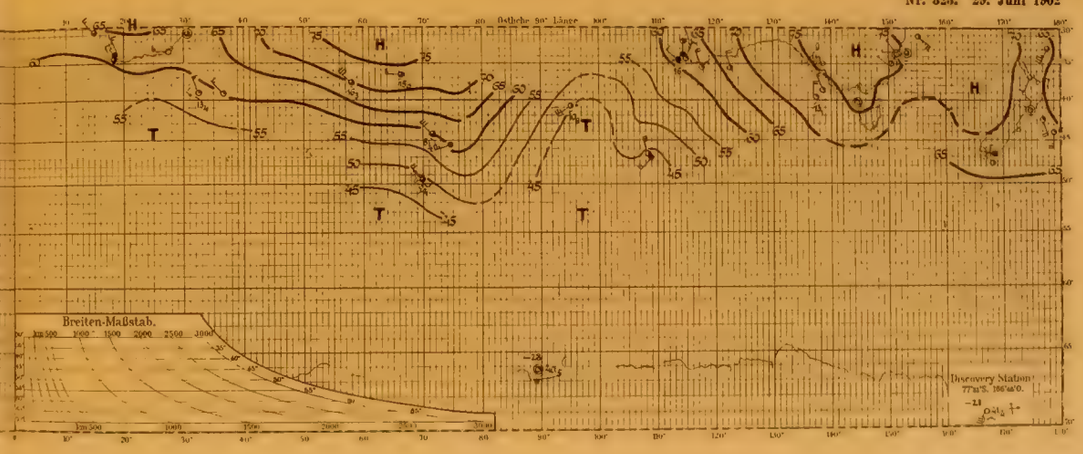
Nr. 322. 28. Juni 1902



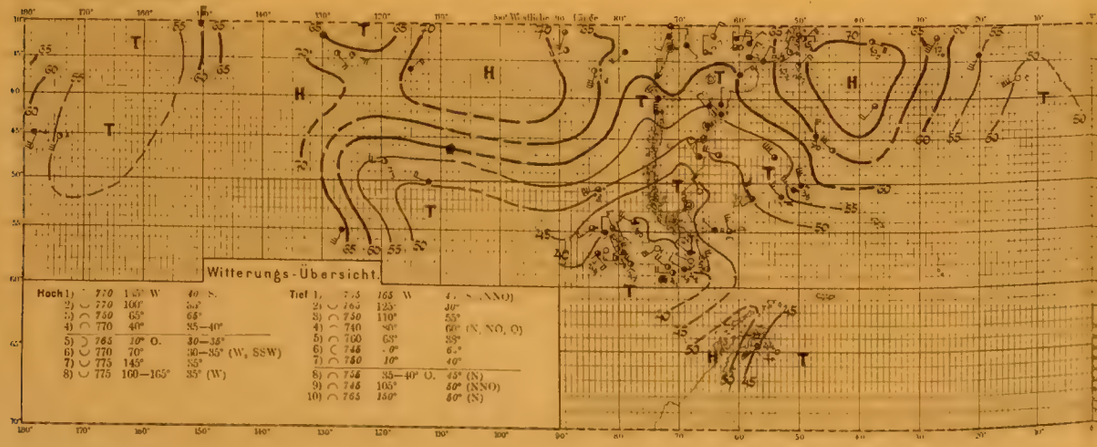


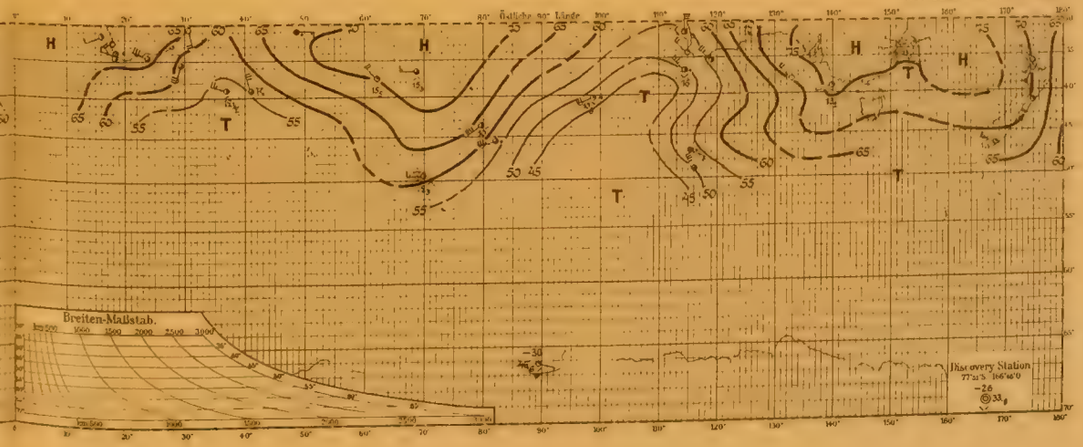
Nr. 323. 29. Juni 1902





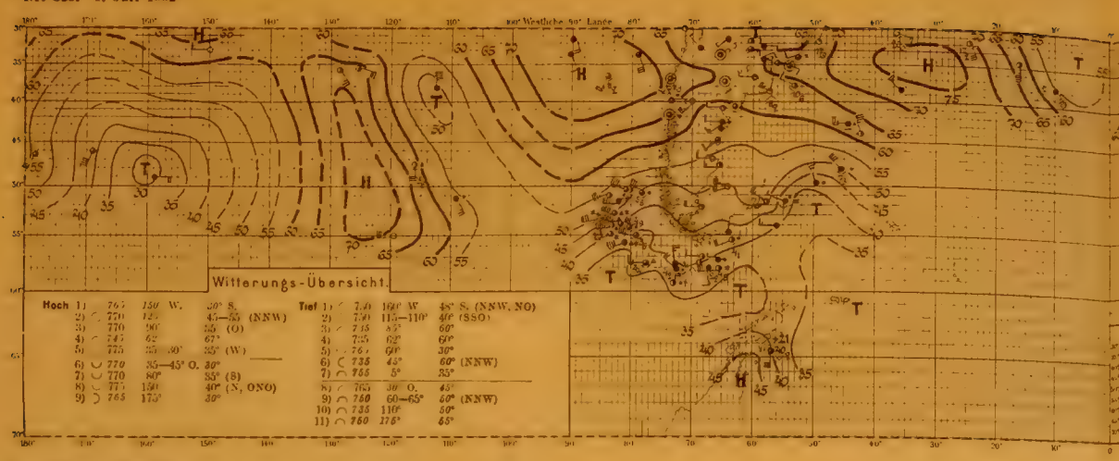
Nr. 324. 30. Juni 1902

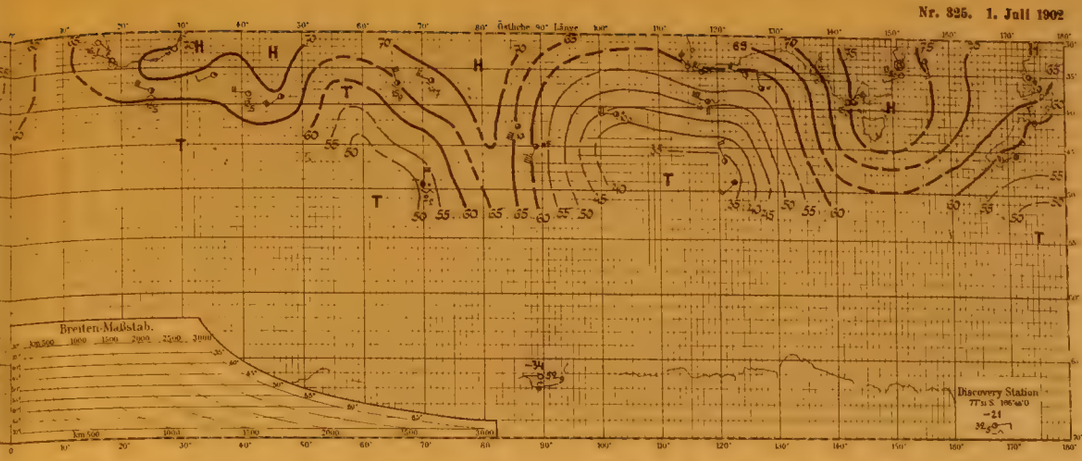




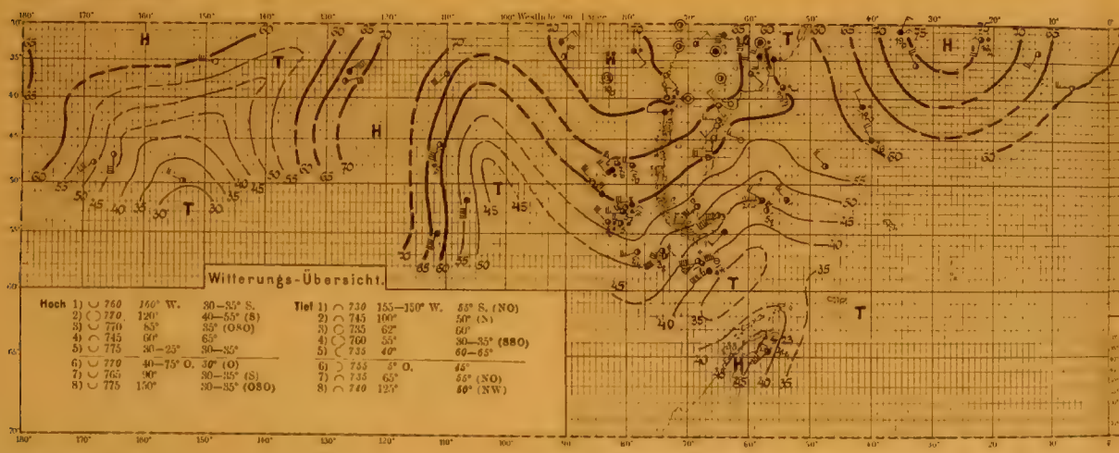
*) 28. Juni: Tief 15) ◠ 755 150° 30—35°

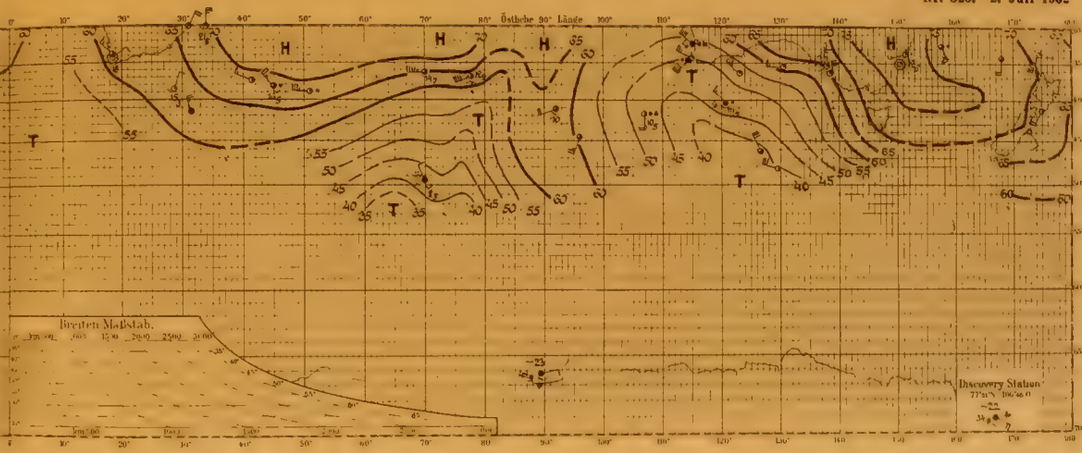
Nr. 325. 1. Juli 1902



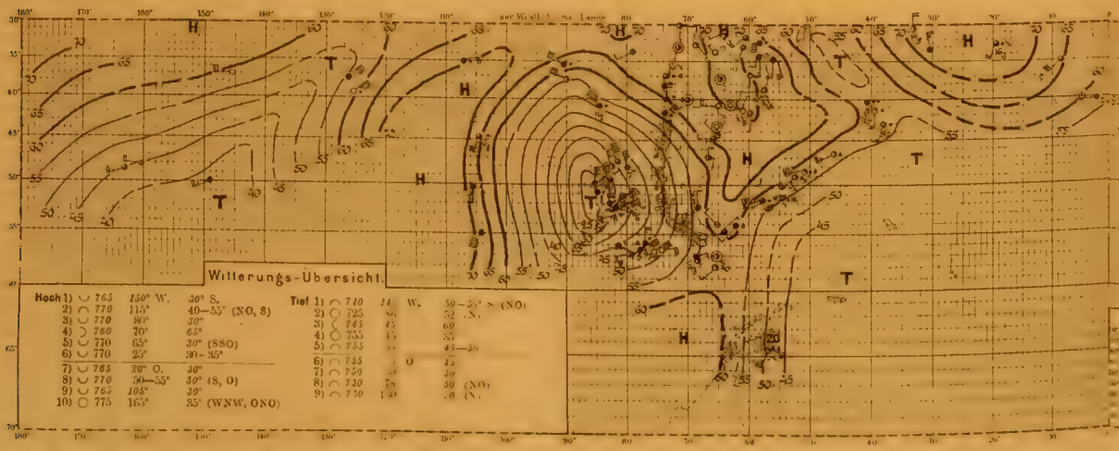


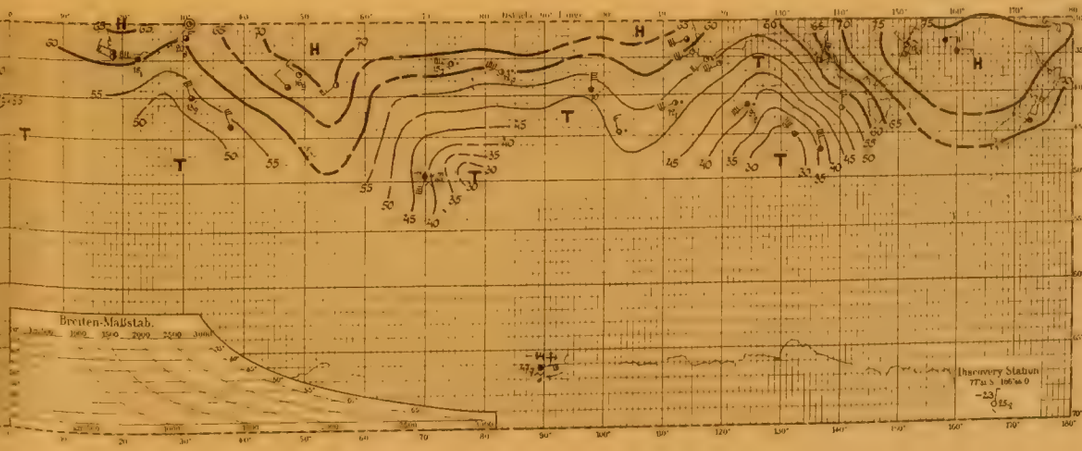
Nr. 326. 2. Juli 1902



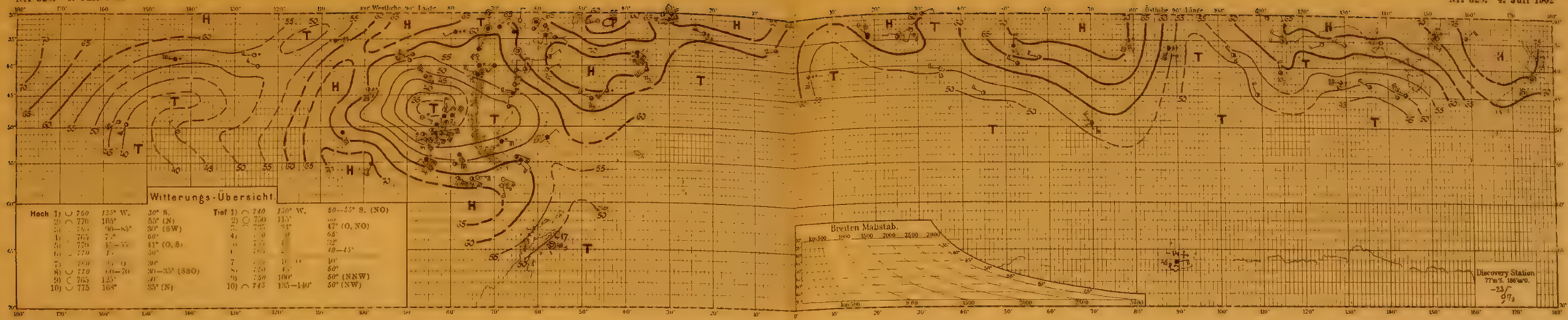


Nr. 327. 3. Juli 1902



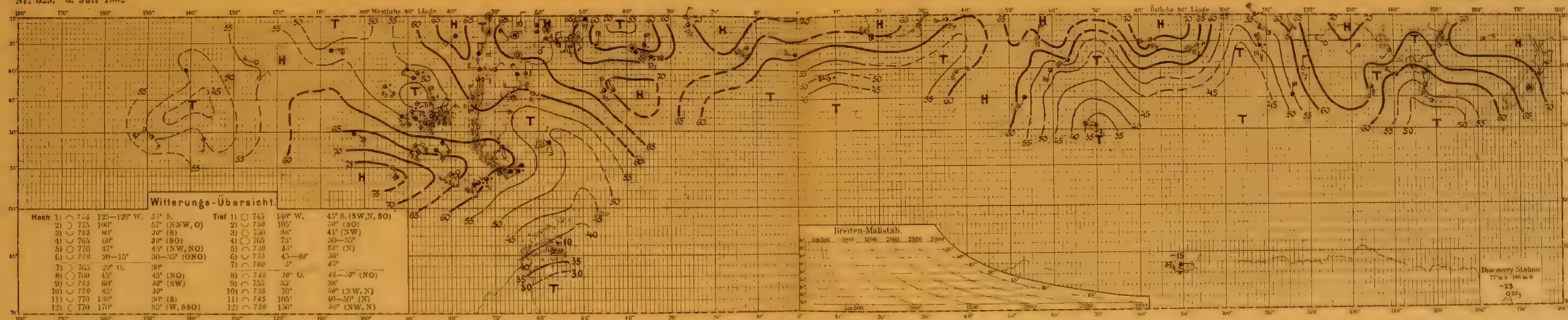


Nr. 328. 4. Juli 1902



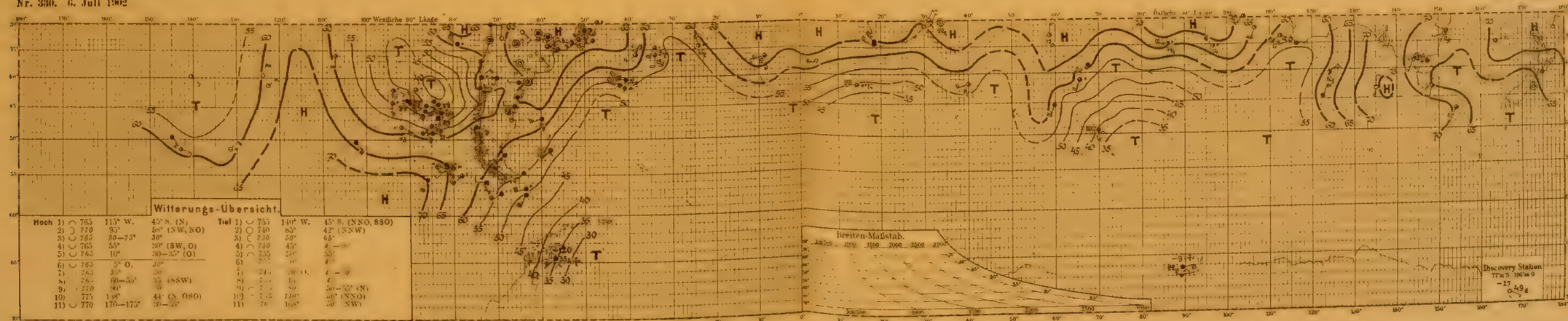
Nr. 328. 4. Juli 1902

Nr. 329. 5. Juli 1902



Nr. 326. 5. Juli 1902

Nr. 330. 6. Juli 1902

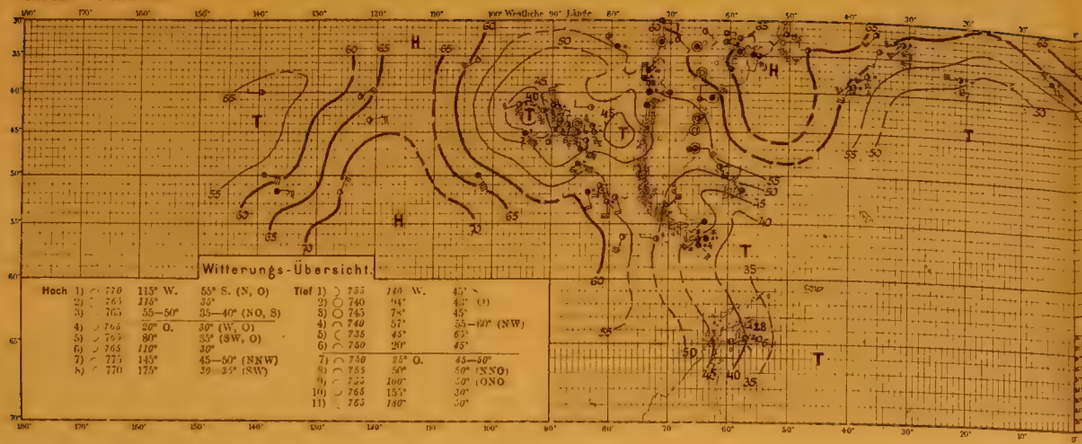


Nr. 330. 6. Juli 1902

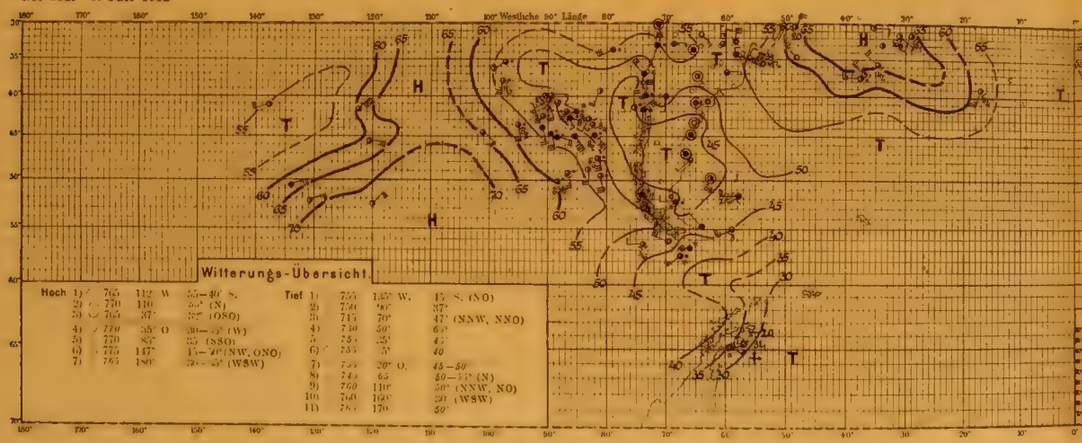
Tafel 111. *Nr. 331—333.*

7.—9. Juli 1902.

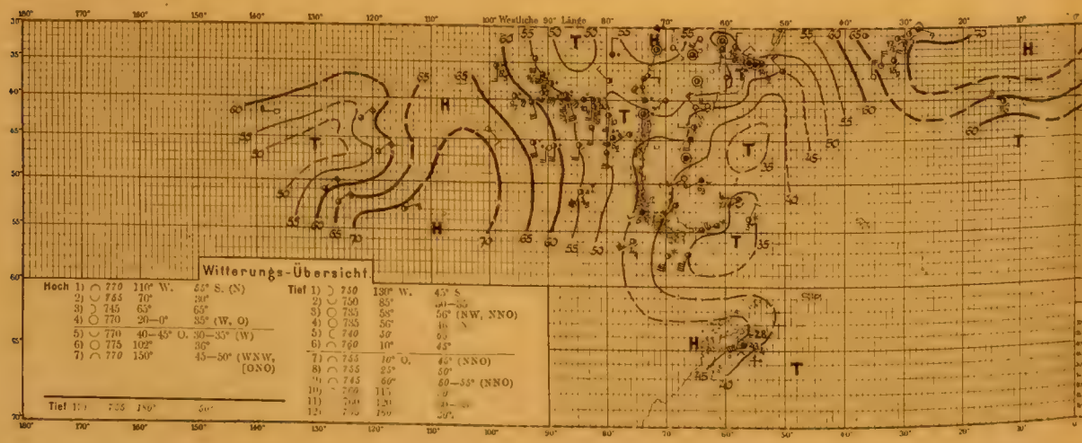
Nr. 331. 7. Juli 1902



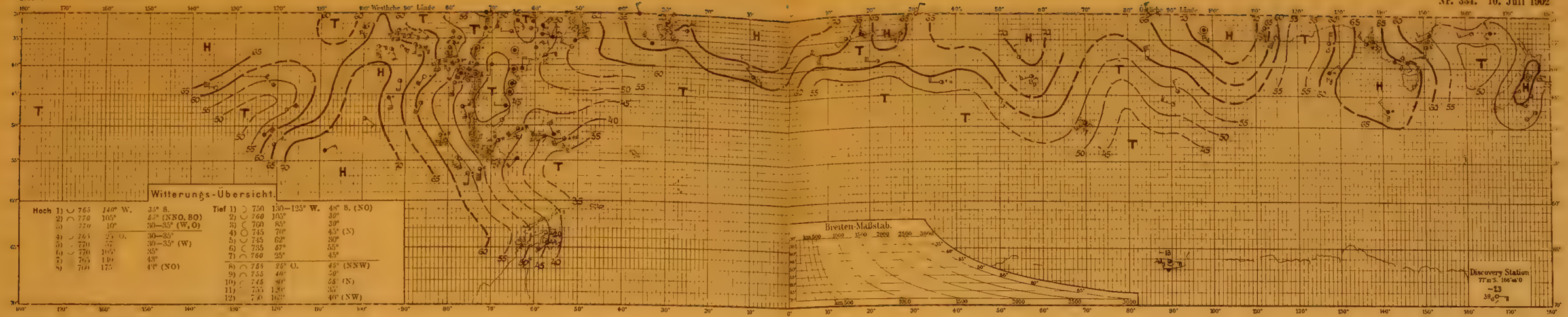
Nr. 332. 8. Juli 1902



Nr. 333. 9. Juli 1902

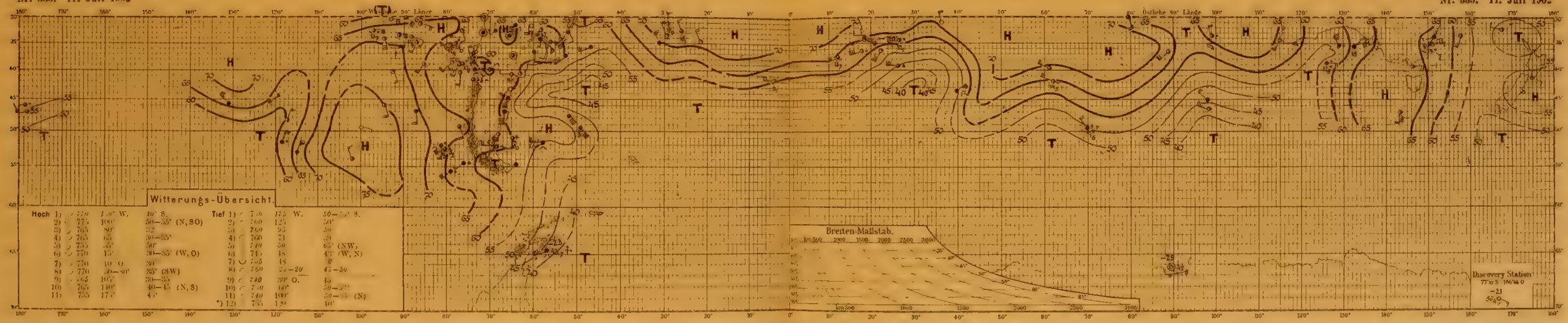


Nr. 334. 10. Juli 1902



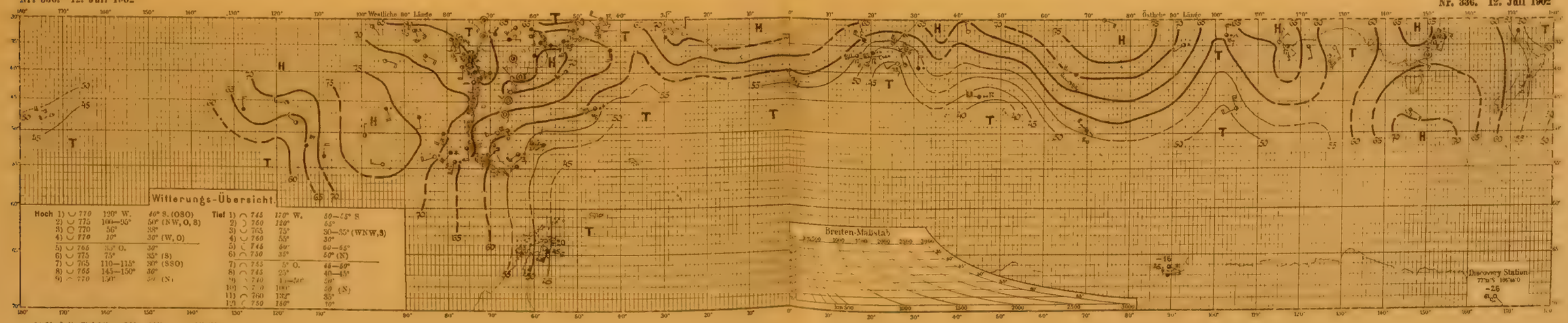
Hoch 1)	○ 765	140° W.	35° S.	Tief 1)	◠ 750	130—125° W.	45° S. (NO)
2)	◠ 770	105°	45° (NNO, SO)	2)	◡ 760	105°	30°
3)	○ 770	10°	30—35° (W, O)	3)	◡ 760	85°	30°
4)	◡ 765	25° O.	30—35°	4)	○ 745	70°	45° (N)
5)	◡ 770	55°	30—35° (W)	5)	◡ 745	62°	30°
6)	◡ 770	105°	35°	6)	◡ 735	67°	55°
7)	◡ 765	130	45°	7)	◠ 760	25°	45°
8)	◡ 760	175	45° (NO)	8)	◠ 755	25° O.	45° (NNW)
				9)	◠ 755	40°	50°
				10)	◠ 745	90°	55° (N)
				11)	◡ 755	130°	55°
				12)	◡ 740	165°	40° (NW)

Nr. 335. 11. Juli 1902



Hoch 1)	◡ 770	1.0° W.	40° S.	Tief 1)	◠ 750	175° W.	50—55° S.	
2)	◡ 775	100°	50—55° (N, SO)	2)	◠ 760	125°	50°	
3)	◡ 765	80°	35°	3)	◠ 760	95°	30°	
4)	◡ 765	65°	30—35°	4)	◠ 760	71°	30°	
5)	◡ 755	35°	30°	5)	◠ 740	50°	65° (NW,	
6)	◡ 770	15°	30—35° (W, O)	6)	◠ 715	18°	45° (W, N)	
7)	◡ 770	10° O.	30°	7)	○ 755	15°	0°	
8)	◡ 770	40—50°	35° (SW)	8)	◠ 760	25—20°	45—50	
9)	◡ 765	100°	20—35°	9)	◠ 740	30° O.	40	
10)	◡ 765	140°	40—45° (N, S)	10)	◠ 740	60°	50—	
11)	◡ 755	175°	45°	11)	◠ 740	100°	50— (N)	
				*) 12)	◠ 755	150°	40°	

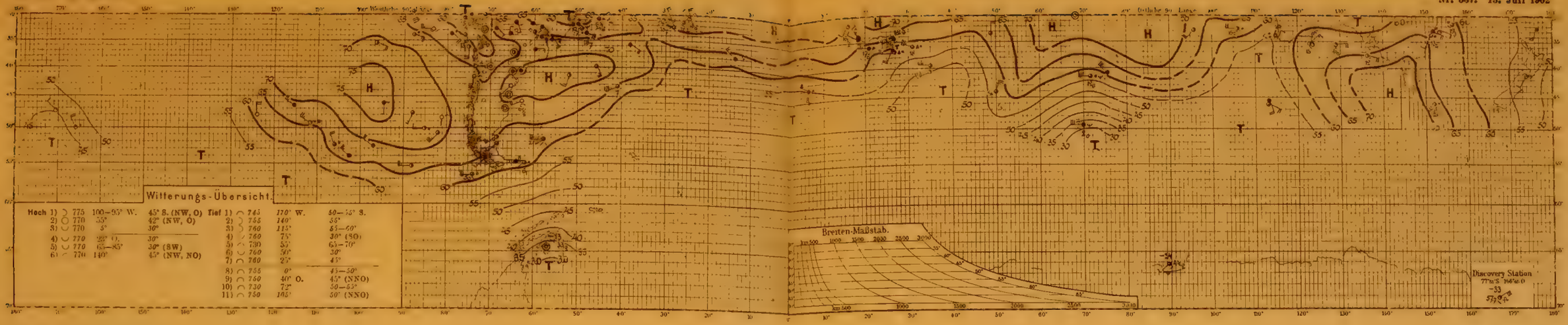
Nr. 336. 12. Juli 1902



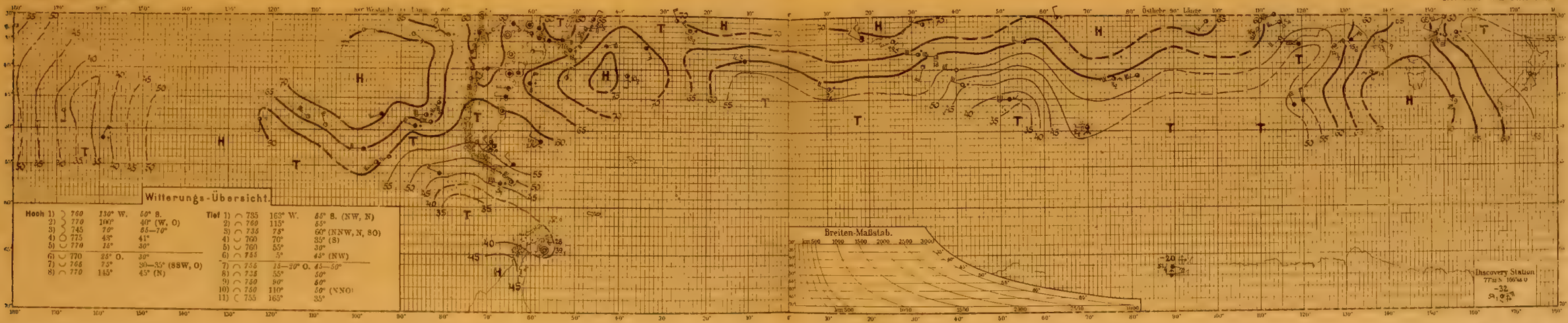
Hoch 1)	○ 770	120° W.	40° S. (OSO)	Tief 1)	◠ 745	170° W.	50—55° S	
2)	◡ 775	100—95°	50° (NW, O, S)	2)	◠ 760	130°	55°	
3)	○ 770	55°	38°	3)	◡ 765	75°	30—35° (WNW, S)	
4)	◡ 770	10°	30° (W, O)	4)	◡ 760	55°	30°	
5)	◡ 765	35° O.	30°	5)	◡ 745	40°	60—65°	
6)	◡ 775	75°	35° (S)	6)	◠ 730	30°	50° (N)	
7)	◡ 765	110—115°	30° (SSO)	7)	◠ 755	5° O.	45—50°	
8)	◡ 765	145—150°	30°	8)	◠ 745	25°	40—45°	
9)	◡ 770	150°	30° (N)	9)	◠ 740	45—50°	50°	
				10)	◠ 740	100°	50 (S)	
				11)	◠ 760	132°	35°	
				12)	◡ 750	160°	10°	

*) 11. Juli: Tief 13) ◠ 750 165° 50° (N)
14) ○ 750 172° 38°

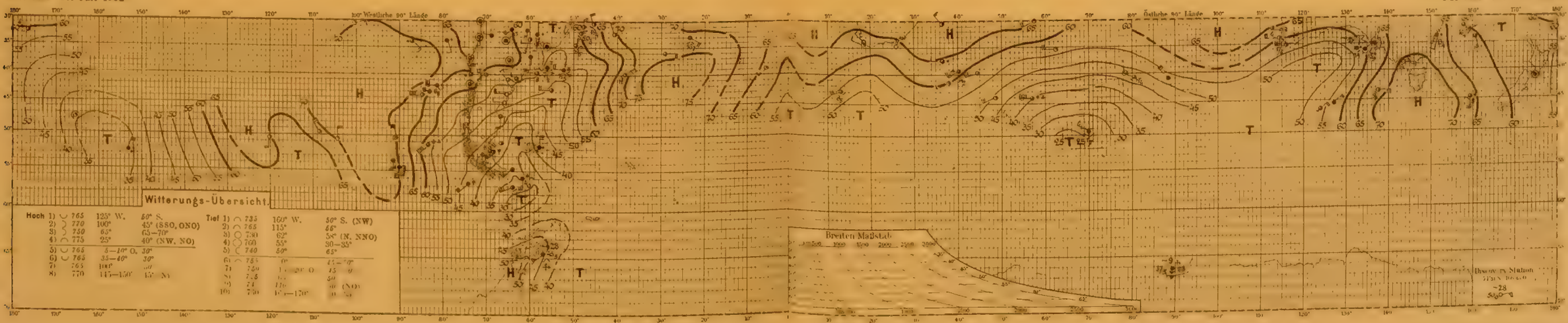
Nr. 337. 13. Juli 1902



Nr. 338. 14. Juli 1902



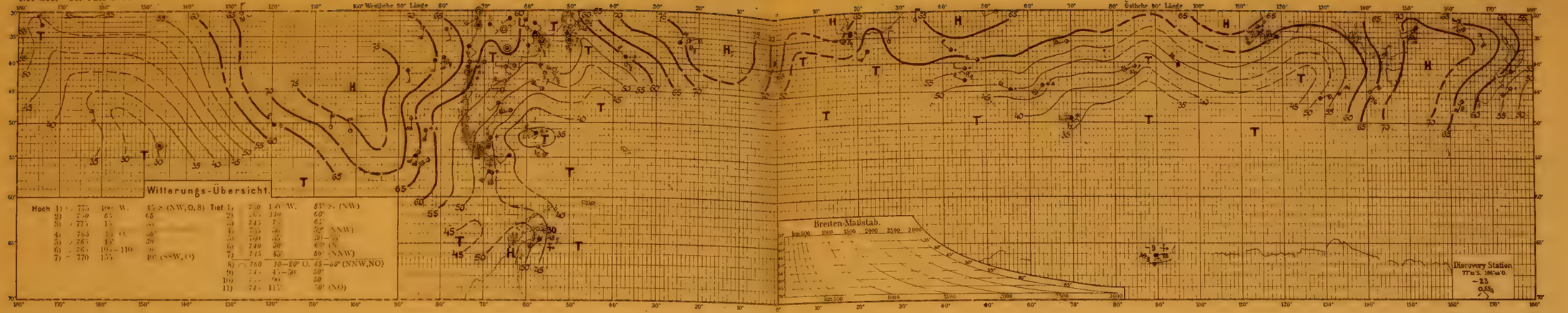
Nr. 339. 15. Juli 1902



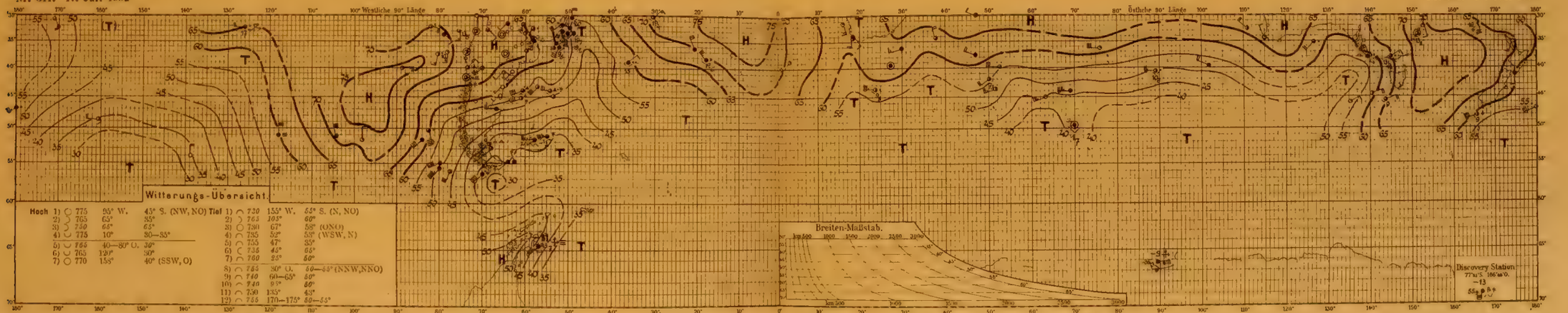
Tafel 114. Nr. 340—342.

16.—18. Juli 1902.

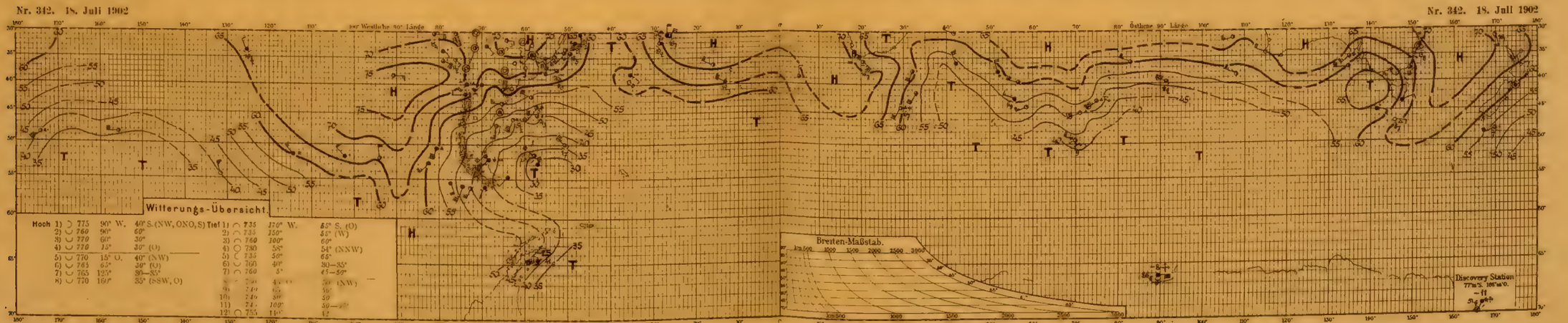
Nr. 340. 16. Juli 1902 **Nr. 340. 16. Juli 1902**



Nr. 341. 17. Juli 1902 **Nr. 341. 17. Juli 1902**



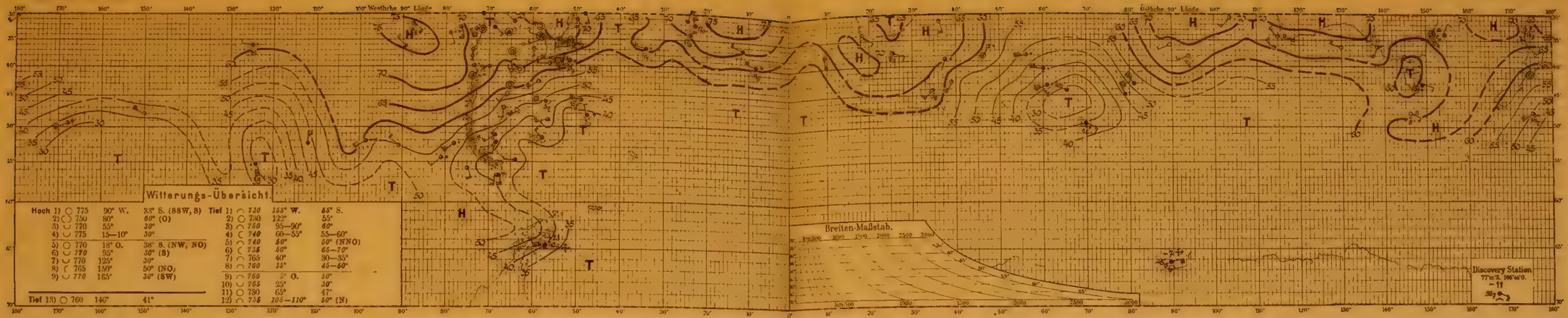
Nr. 342. 18. Juli 1902 **Nr. 342. 18. Juli 1902**



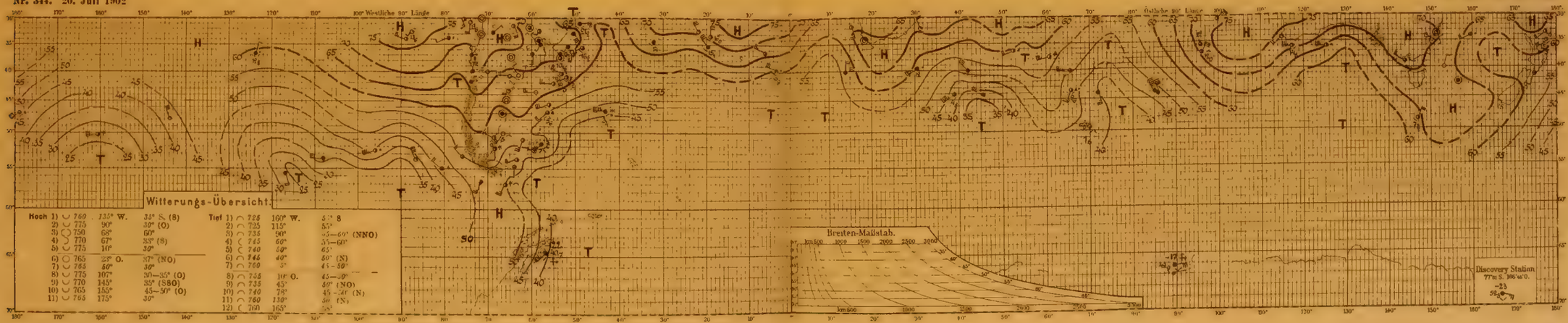
Tafel 115. *Nr. 343—345.*

19.—21. Juli 1902.

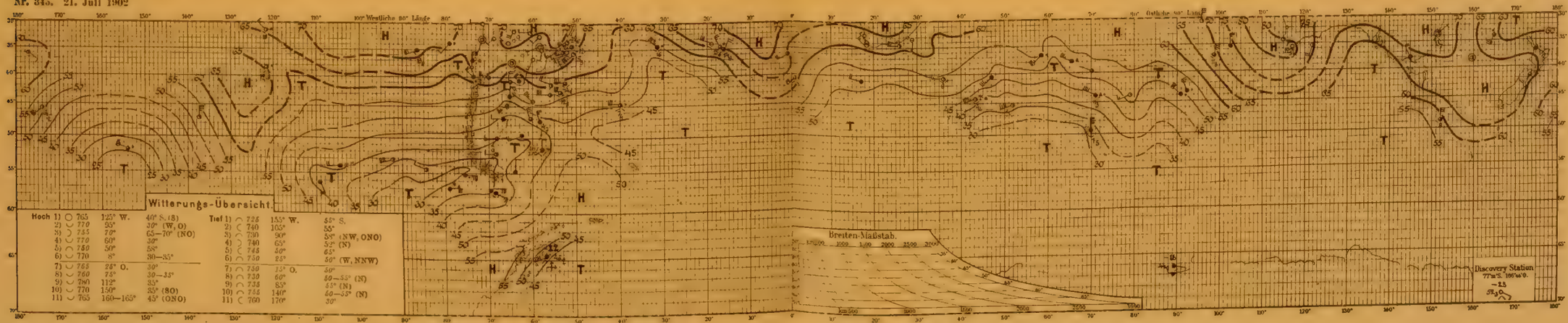
Nr. 343. 19. Juli 1902



Nr. 344. 20. Juli 1902



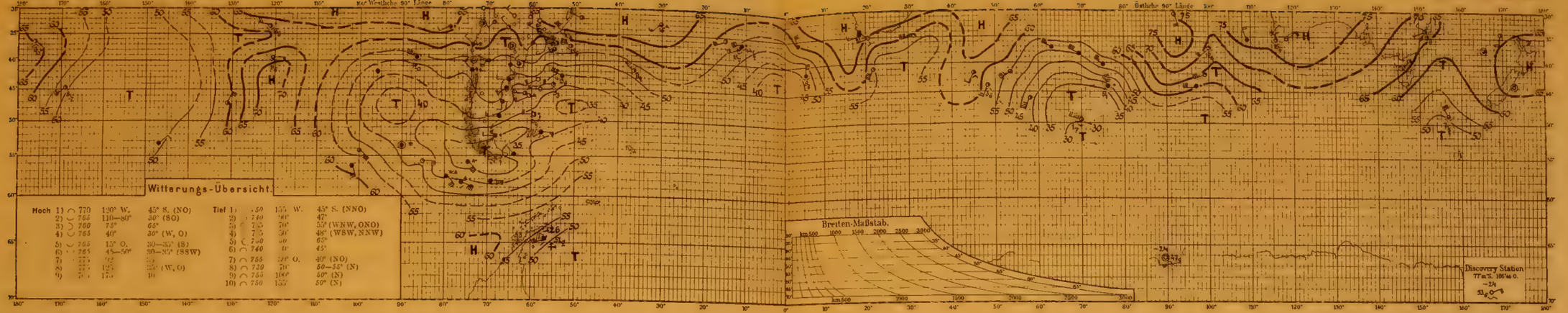
Nr. 345. 21. Juli 1902



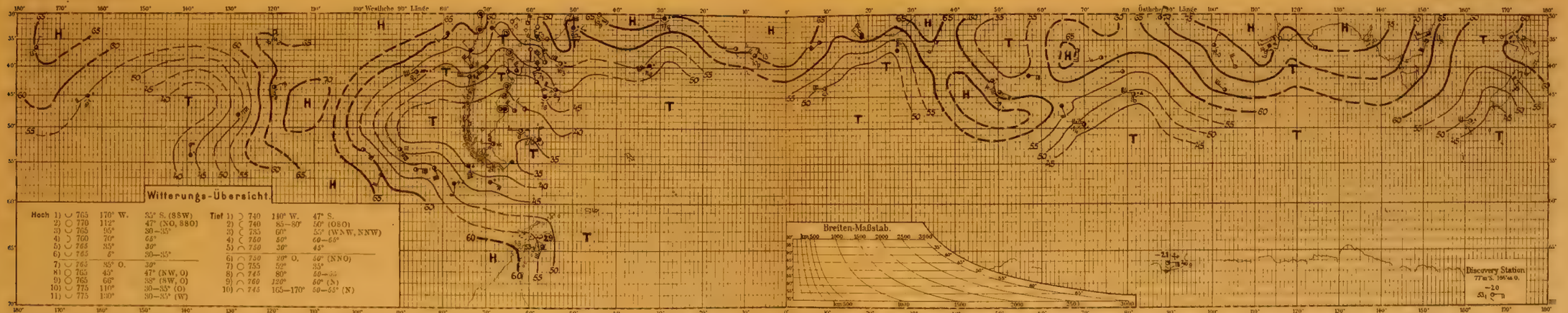
Tafel 116. Nr. 346—348.

22.—24. Juli 1902.

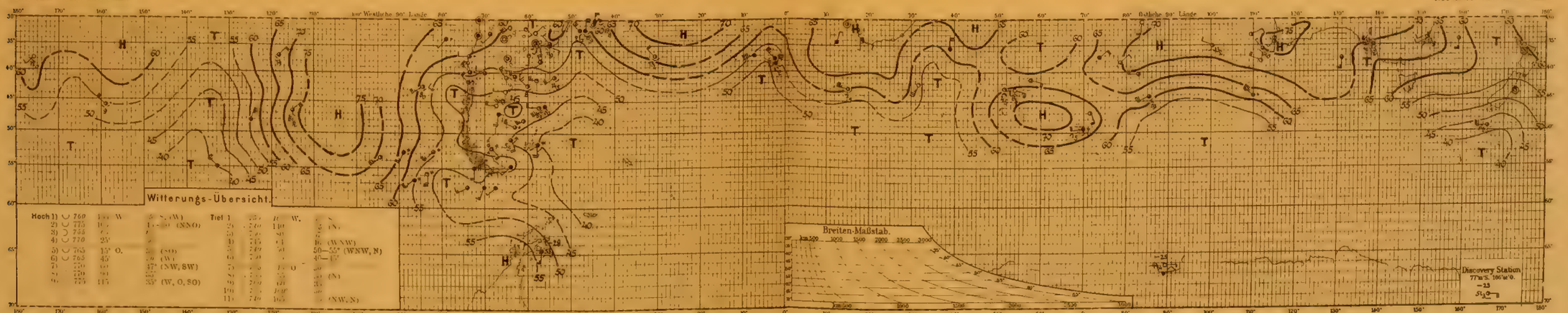
Nr. 346. 22. Juli 1902



Nr. 347. 23. Juli 1902



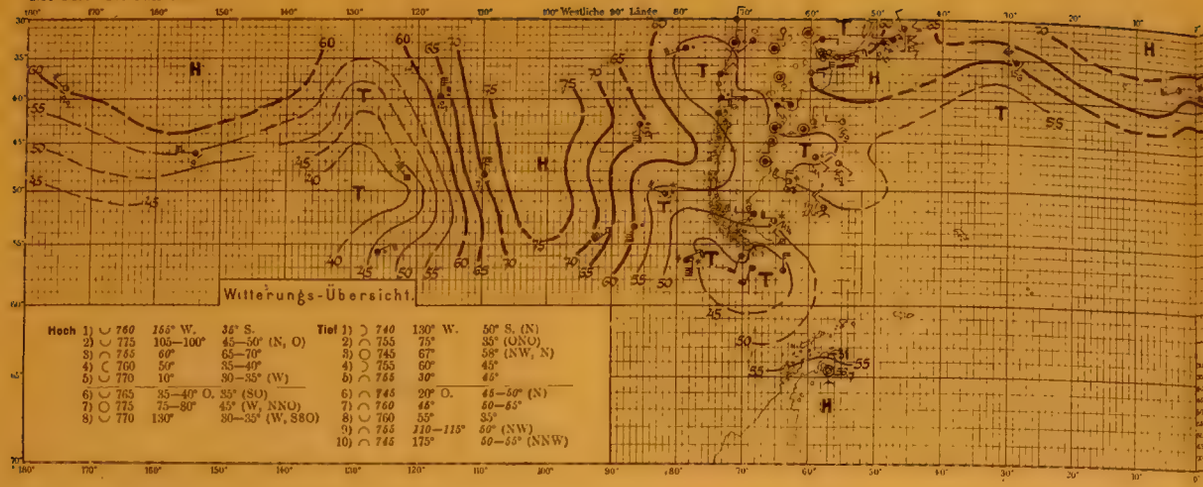
Nr. 348. 24. Juli 1902



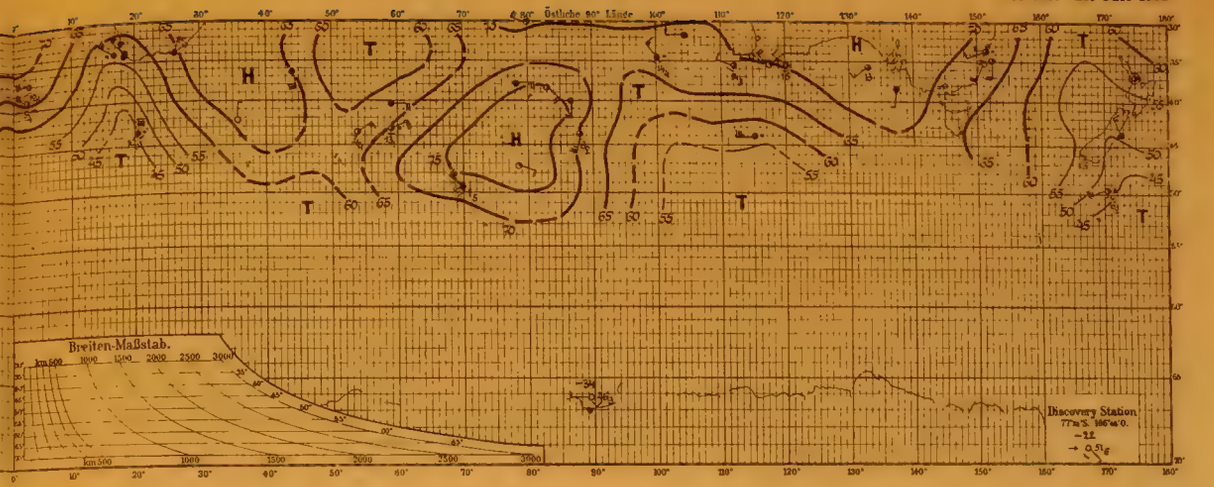
Tafel 117. Nr. 349—351.

25.—27. Juli 1902.

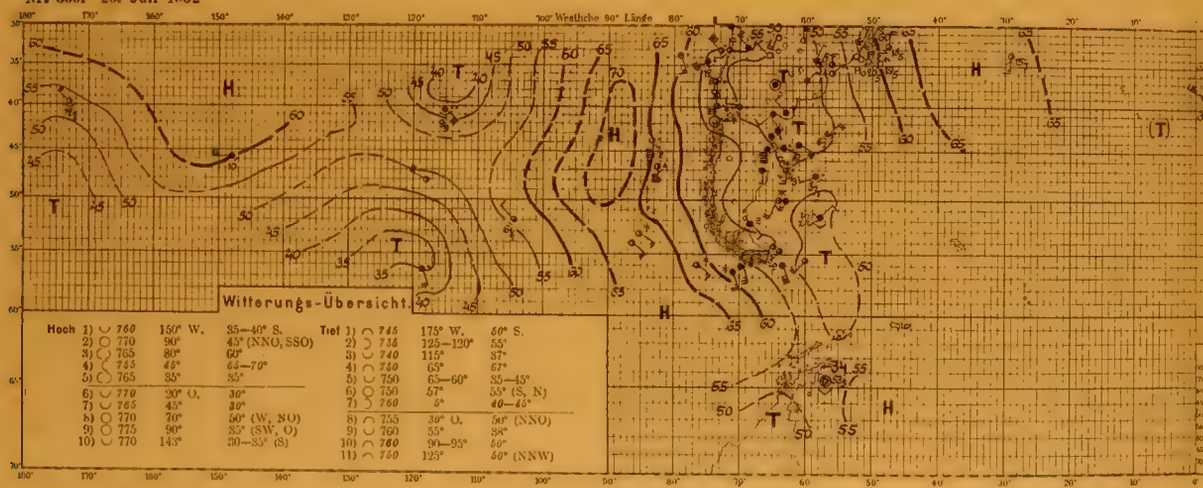
Nr. 349. 25. Juli 1902



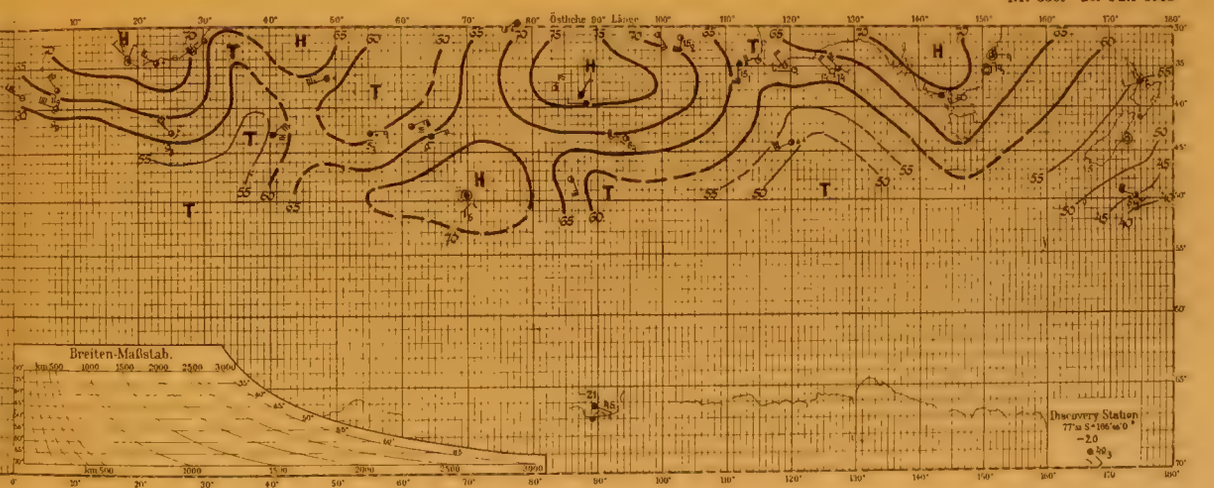
Nr. 349. 25. Juli 1902



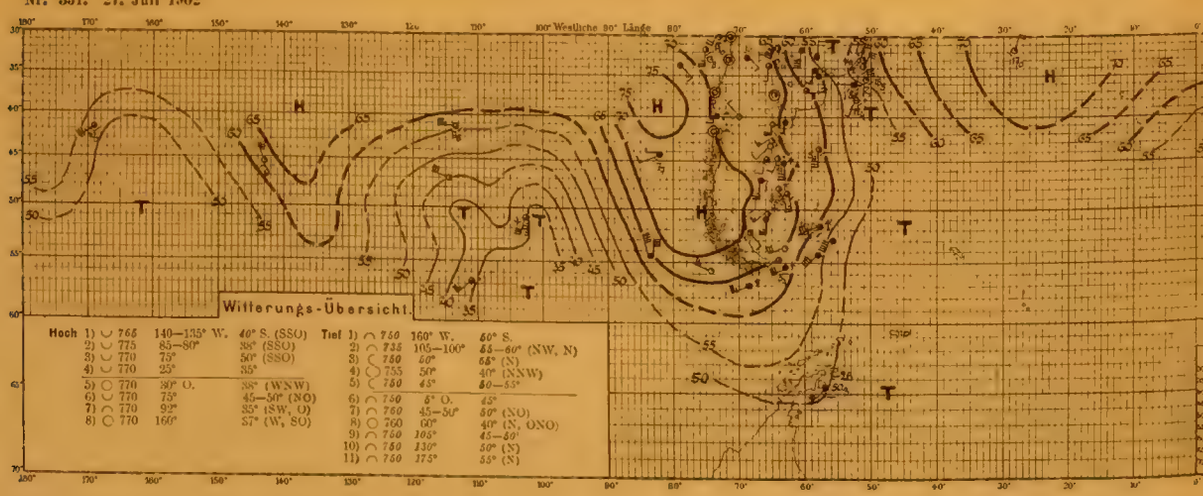
Nr. 350. 26. Juli 1902



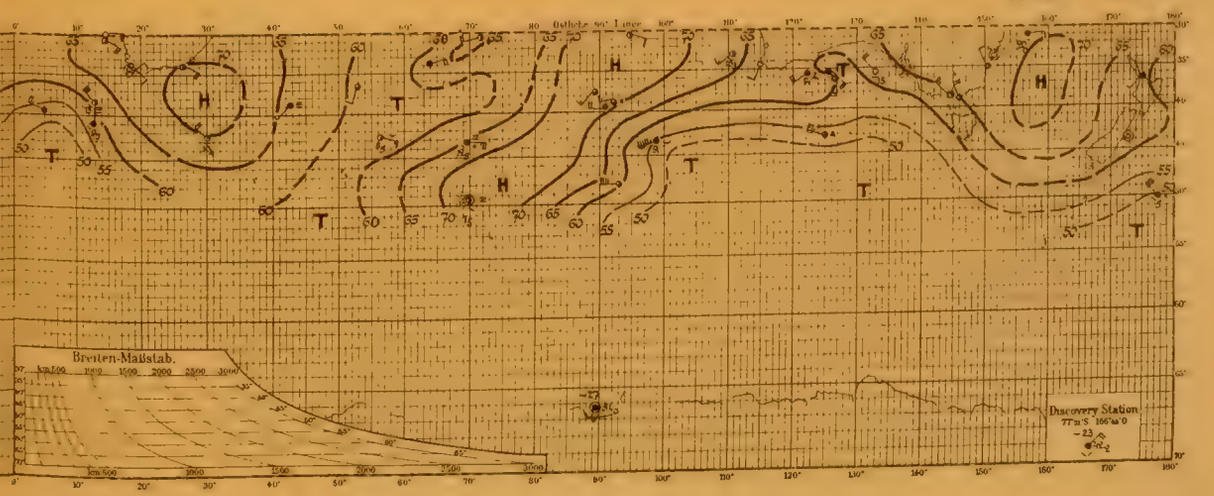
Nr. 350. 26. Juli 1902



Nr. 351. 27. Juli 1902



Nr. 351. 27. Juli 1902



Tafel 118. *Nr. 352—354.*

28.—30. Juli 1902.

MARINE BIOLOGICAL
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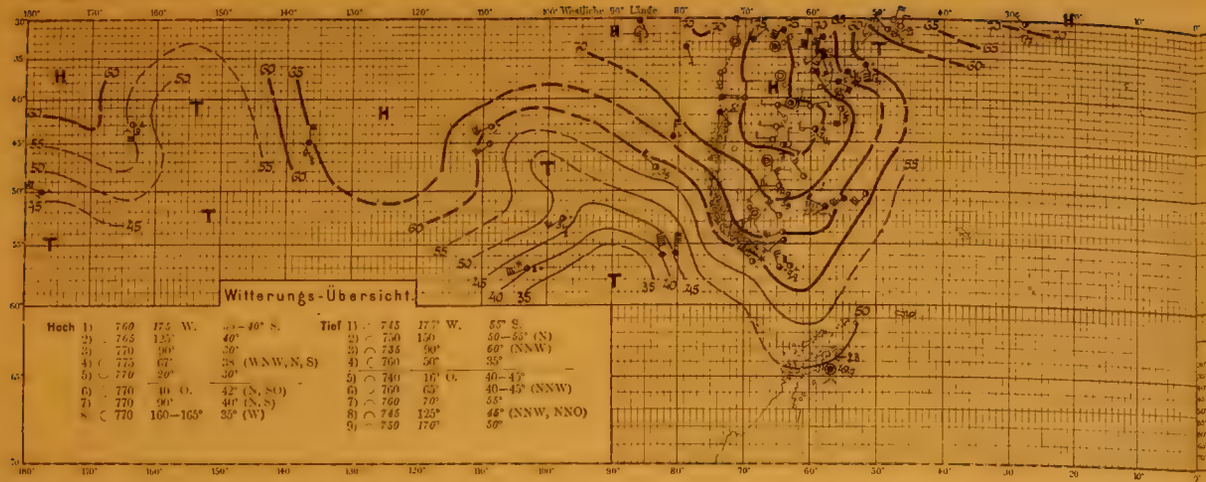
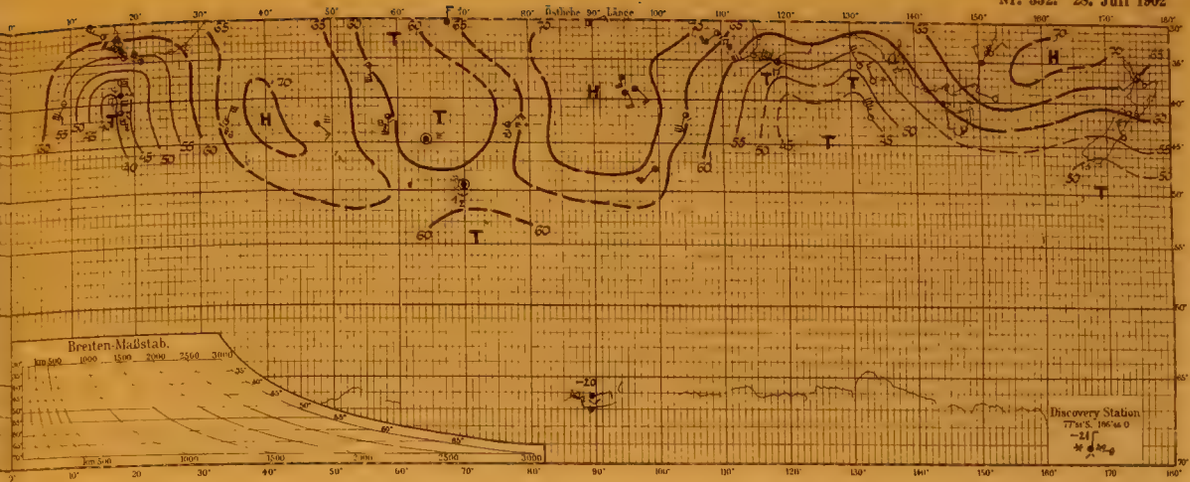
LIBRA
MASS

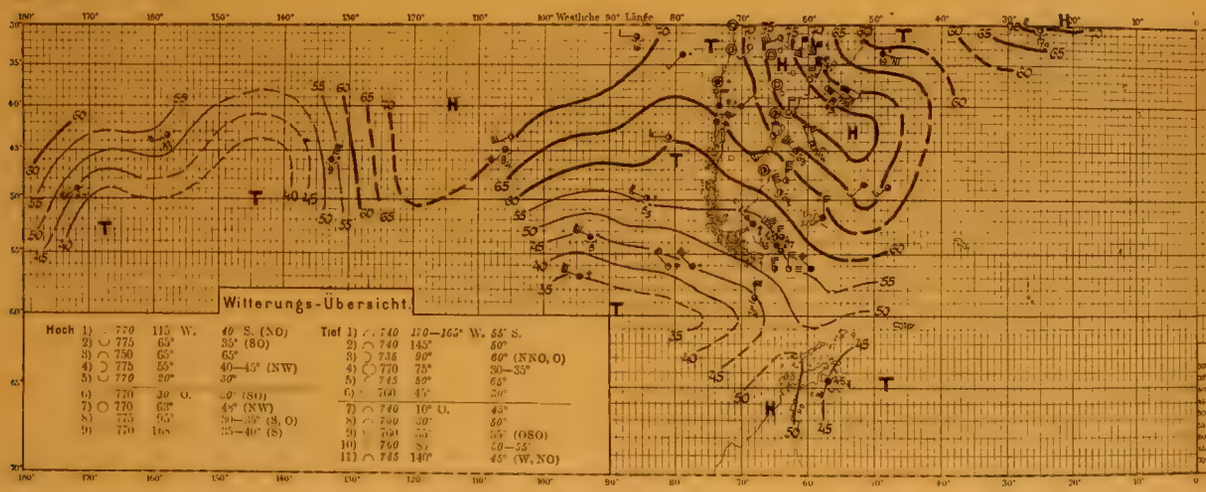
Nr. 352. 28. Juli 1902



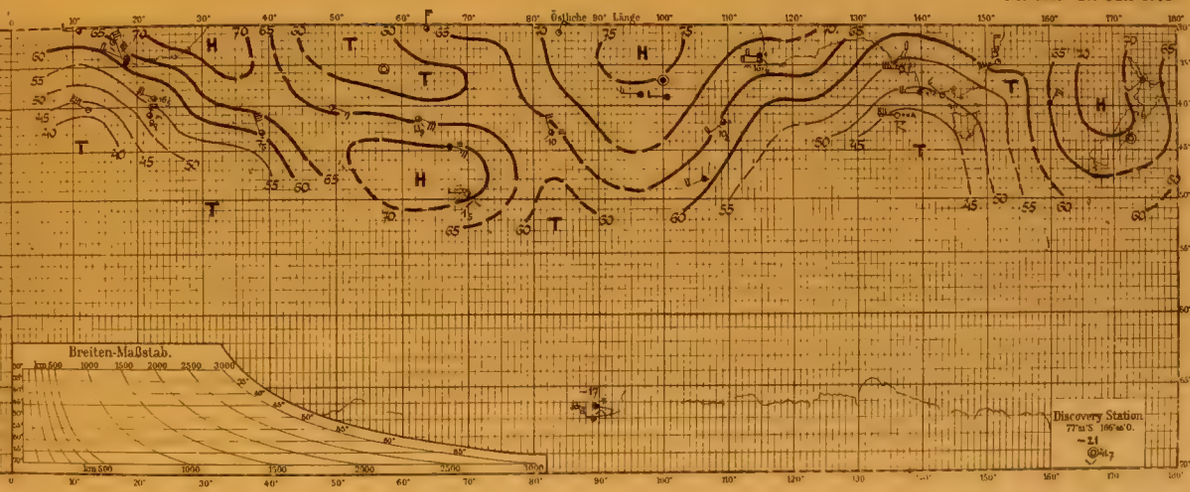
Nr. 352. 28. Juli 1902



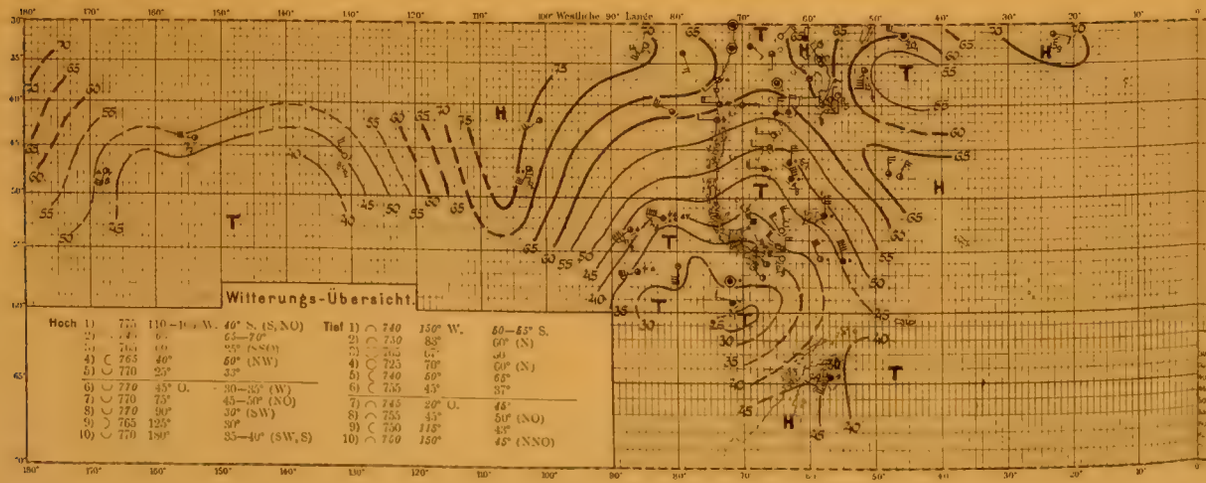
Nr. 353. 29. Juli 1902



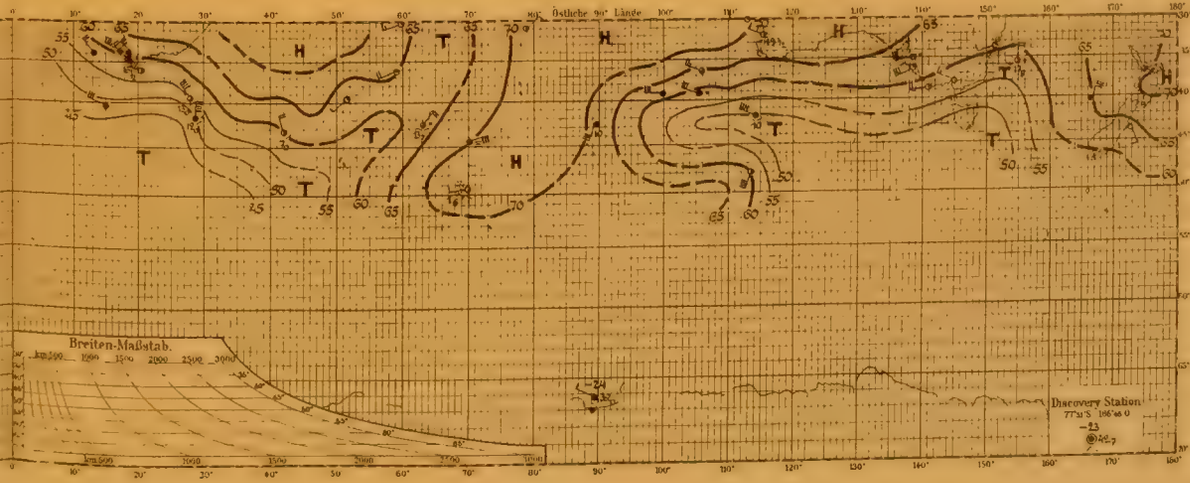
Nr. 353. 29. Juli 1902



Nr. 354. 30. Juli 1902



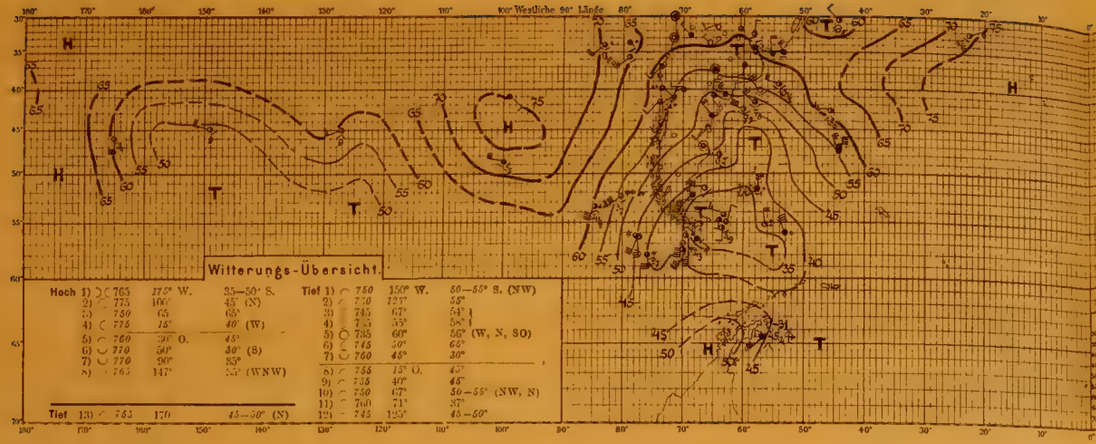
Nr. 354. 30. Juli 1902

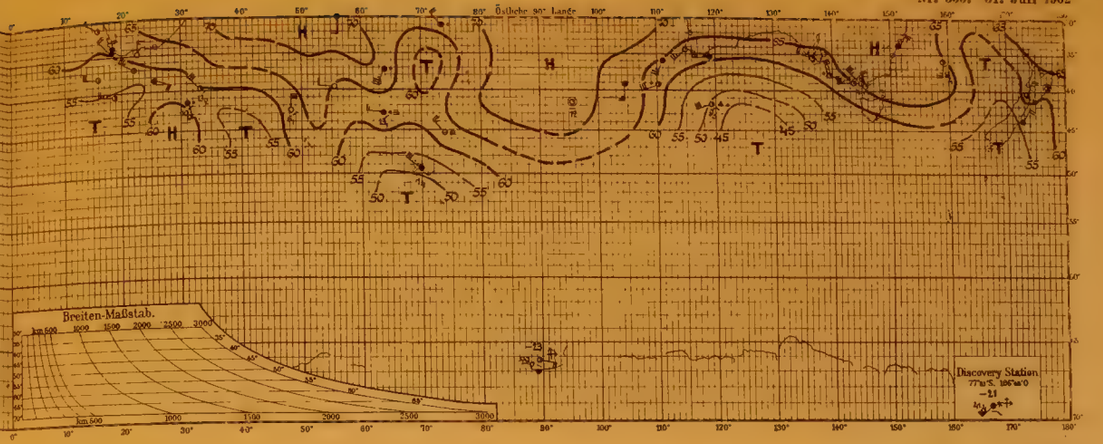


Tafel 119. Nr. 355—357.

31. Juli—2. August 1902.

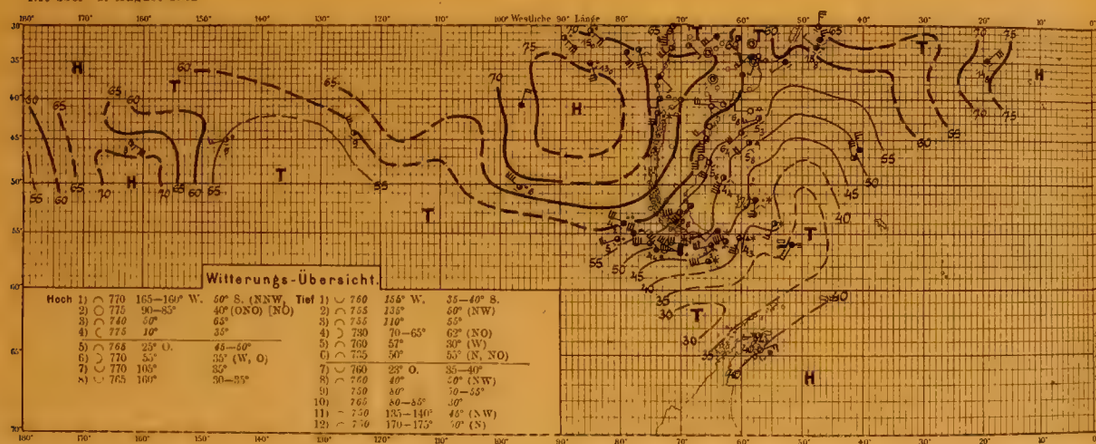
Nr. 355. 31. Juli 1902

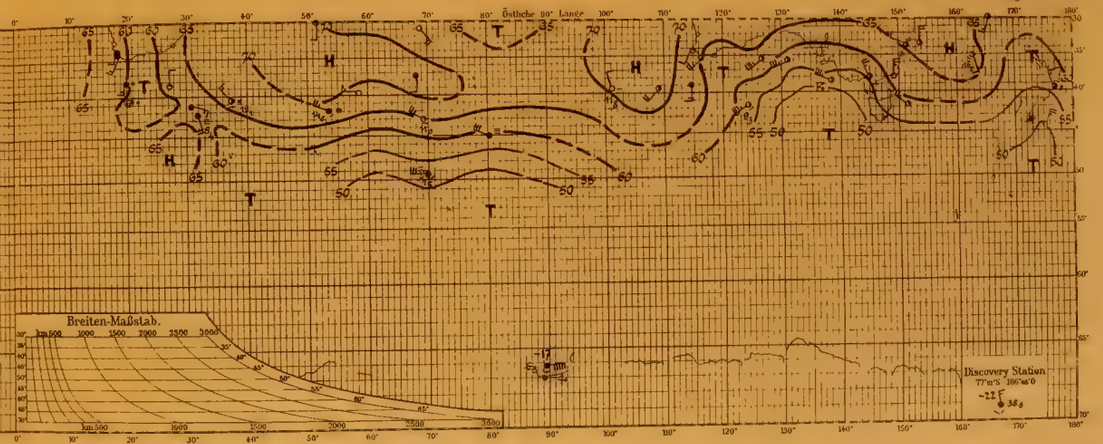




Nr. 355. 31. Juli 1902

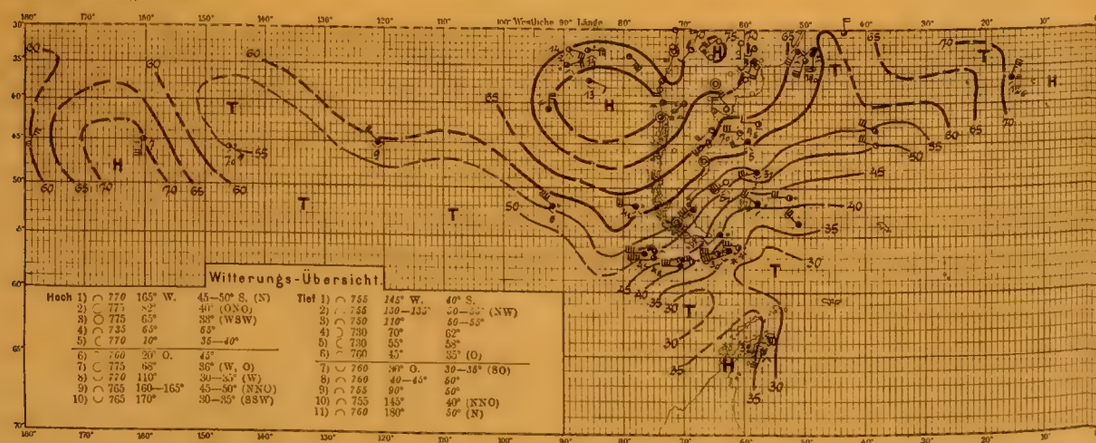
Nr. 356. 1. August 1902

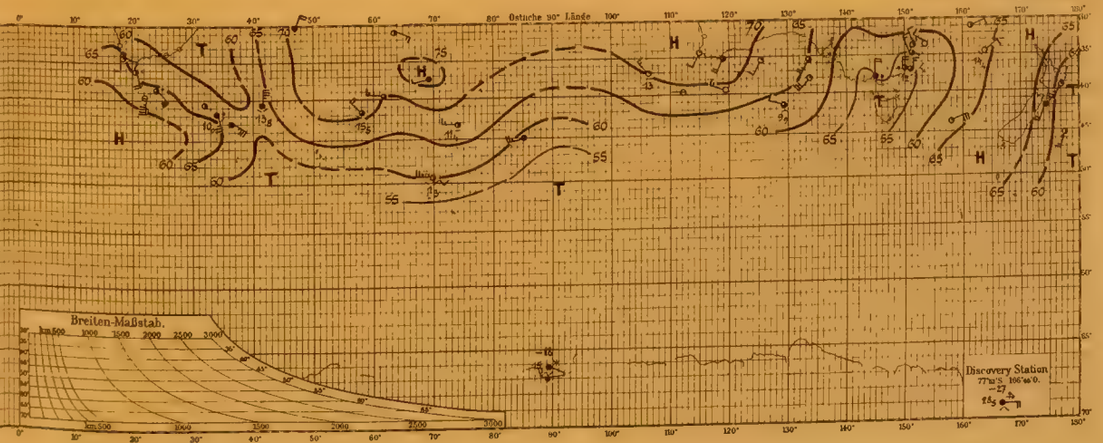




Nr. 356. 1. August 1902

Nr. 357. 2. August 1902





Nr. 357. 2. August 1902